CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Clubhouse, New York, N. Y., New York Athletic Club having plans prepared, $7,500,000.

Church and rectory, New York, N. Y., Church of the Heavenly Rest having plans prepared, $2,000,000.

Paper mill, Monroe, La., Brown Paper Mill Co. having preliminary plans prepared for plant addition, $2,000,000.

Hotel, Dayton, O., Caldwell & Son having plans prepared, $2,000,000.

Paving and surfacing roads, Fairfield, Ia., Jefferson Co. voted bonds, total $1,308,000.

Hotel, Santa Monica, Calif., Miramar Hotel Co. having plans prepared, $1,250,000.

School, St. Louis, Mo., Preparatory Diocesan Seminary making preliminary plans, $1,000,000.

Grain elevator, Decatur, Ill., A. E. Staley Mfg. Co. having plans prepared, $1,000,000.

Hotel, Pasadena, Calif., Maryland Hotel Co. plans fireproof hotel, $1,000,000.

Road work, Newton, Ia., Jasper Co. plans bond election for road work, $1,000,000.

Hotel, New Orleans, La., Gulfport Com. headed by A. L. Jagoe plan hotel, $1,000,000.

Textile mill, Texarkana, Tex., M. E. Melton having preliminary plans prepared, $1,000,000.

Bids Wanted

Bridge, Augusta, Maine, May 12 (extended date) by State Hy. Dept., bridge over Kennebec, $3,000,000.

Dormitory, New York, N. Y., June 14. J. J. McGrath, pres. Bellevue & Allied Hospitals, $2,500,000.

Hotel, Chicago, Ill., W. Reichert, archt., taking bids for Flamingo Hotel Corp., $2,000,000.

Hospital, St. Cloud, Minn., Schmidt, Garden & Martin, archts., $1,500,000.

Apartment, Boston, Mass., The Embassy, Inc., taking bids, $1,250,000.

Freight depot and warehouse, Houston, Tex., May 1 by J. K. Sconland, div. freight agt., $1,000,000.

Court house, Shreveport, La., Caddo Parish, after June 1, $1,000,000.

Contracts

Administration, Massapequa, N. Y., Deauville Estate, Inc., to T. C. Desmond & Co., Inc., $4,500,000.

Store and office, Los Angeles, Calif., Sun Realty Investment Co. to J. W. McNeil Co., $4,000,000.

Office, New York, N. Y., Lower Bway Properties to C. L. Fraser, $2,500,000.

Hospitals, Chicago, Ill., H. A. Zender, Supt. Pub. Serv. Cook Co. to several contracts, total, $2,155,770.

Store, Chicago, Ill., Carson, Pirie, Scott & Co. to J. P. & J. W. O'Conner Co., $1,000,000.

Paper plant, Port Angeles, Wash., Washington Pulp & Paper Corp. to Kuppler & Son, $1,000,000.

Classified Index of Bids Wanted

Waterworks

Bids close — *See Eng. News-Record*

Apr. 30 Hawthorne (Ind. br. Paterson), N. J. ..... Apr. 15
Apr. 30 New Market, Va. ..... Mar. 25
May 1 Okmulgee, Okla. ..... Apr. 29
May 3 Kewanee, Ill. ..... Apr. 22
May 3 Jordan, Minn. ..... Apr. 22
May 3 Haledon (mail Paterson), N. J. ..... Apr. 22
Adv. Apr. 22 and 29.
May 4 Little Chute, Wis. ..... Apr. 29
May 4 Asbury Park, N. J. ..... Apr. 29
May 4 Long Island City, N. Y. ..Apr. 29
May 4 Union Beach (Br. Keyport), N. J. ..... Apr. 29
Adv. Apr. 29.
May 5 Evergreen Park, Ill. ..... Apr. 29
May 6 Evansville, Ind. ..... Apr. 29
May 6 Quincy (Ind. br. Boston), Mass. ..... Apr. 29
May 7 Nelson, Neb. ..... Apr. 29
May 11 Perry, N. Y. ..... Apr. 15
May 11 Cape May, N. J. ..... Apr. 29
Adv. Apr. 29.
May 14 Oakland, Calif. ..... Apr. 22
May 18 Hagerstown, Md. ..... Apr. 22
Adv. Apr. 22 and 29.
May 19 Rye, N. Y. ..... Apr. 29
Adv. Apr. 22-29.
May 21 Oakland, Calif. ..... Apr. 22
May 29 Gulfport, Miss. ..... Apr. 29

Sewers

Apr. 30 Boston, Mass. ..... Apr. 22
May 3 South Portland, Me. ..... Apr. 8
May 3 Kingston, Pa. ..... Apr. 15
May 3 Jordan, Minn. ..... Apr. 22
May 3 Cookeville, Tenn. ..... Apr. 29
May 3 Royal Oak, Mich. ..... Apr. 29
May 4 St. Paul, Minn. ..... Apr. 29
May 4 Libertyville, Ill. ..... Apr. 29
May 4 Long Island City, N. Y. ..Apr. 29
May 4 Toronto, Ont. ..... Apr. 29
May 5 Miami Beach, Fla. ..... Apr. 22
May 5 Arroyo Grande, Calif. ...Apr. 22
May 5 Los Angeles, Calif. ..... Apr. 29
May 5 St. George, N. Y. ..... Apr. 29
May 6 Bloomington, Ill. ..... Apr. 8
May 6 Chicago, Ill. ..... Apr. 29
May 6 Cleveland, O. ..... Apr. 29
May 7 North Plainfield (mail Plainfield), N. J. ..... Apr. 22
May 7 Lakewood, N. J. ..... Apr. 29
Adv. Apr. 29.
May 10 Richmond, Va. ..... Apr. 29
Adv. Apr. 29.
May 10 Wanamingo, Minn. ..... Apr. 29
May 10 West Roxbury (sta. Boston), Mass. ..... Apr. 29
May 12 Mt. Clemens, Mich. ..... Apr. 29
May 13 Oklahoma City, Okla. ..... Apr. 22
Adv. Apr. 22 and 29.
May 18 Sacket Harbor, N. Y. ..... Apr. 29
Adv. Apr. 22 and 29.
May 20 Dexter, N. Y. ..... Apr. 29
Adv. Apr. 22 and 29.
May 20 Salisbury, Md. ..... Apr. 29
May 21 La Grange, N. C. ..... Apr. 29
Adv. Apr. 22 and 29.
May 25 Muskegon, Mich. ..... Apr. 29

Waste Disposal

May 27 Galveston, Tex. ..... Apr. 29

Bridges

May 1 Val Morin, Que. ..... Apr. 8
May 3 Morgantown, W. Va. ..... Apr. 8
May 3 Elizabeth, N. J. ..... Apr. 29
May 4 Maine ..... Apr. 8
May 4 North Carolina ..... Apr. 29
May 5 Miami Beach, Fla. ..... Apr. 22
May 5 Anamosa, Iowa ..... Apr. 22
May 5 Chicago, Ill. ..... Apr. 29
May 7 Dayton, O. ..... Apr. 15
May 7 Missouri ..... Apr. 29
May 7 Detroit, Mich. ..... Apr. 29
May 8 Idaho ..... Apr. 29
May 10 Jacksonville, Fla. ..... Apr. 15
Adv. Apr. 15 to 29.
May 10 Lincoln, Calif. ..... Apr. 29
May 10 Los Angeles, Calif. ..... Apr. 29
May 10 Safety Harbor, Fla. ..... Apr. 29
May 11 Louisiana ..... Apr. 15
May 11 Bourg, La. ..... Apr. 22
May 11 Washington ..... Apr. 29
May 11 Grand Rapids, Mich. ..... Apr. 29
May 12 Maine ..... Apr. 29
May 12 Gooding, Idaho ..... Apr. 29
May 15 Paducah, Ky. ..... Apr. 22
Adv. Apr. 22 and 29.
May 15 Anderson, Ind. ..... Apr. 8
May 17 Akron, O. ..... Apr. 29
May 18 Texas ..... Apr. 29
May 19 Minneapolis, Minn. ..... Apr. 8
May 19 Pennsylvania ..... Apr. 29
May 19 Akron, O. ..... Apr. 29
May 21 Akron, O. ..... Apr. 29
May 27 Louisiana ..... Apr. 29
Adv. Apr. 29.

Excavation, Drainage, Irrigation, Levees, River and Harbor

May 3 Lancaster, N. Y. ..... Apr. 22
May 4 Beaumont, Tex. ..... Apr. 29
May 8 Sycamore, Ill. ..... Apr. 22
May 8 DeKalb, Ill. ..... Apr. 29
May 10 La Mesa, Calif. ..... Apr. 29
May 12 New Madrid, Mo. ..... Apr. 29
May 24 Buffalo, N. Y. ..... Apr. 22
Adv. Apr. 22 and 29.
June 1 Galveston, Tex. ..... Apr. 29

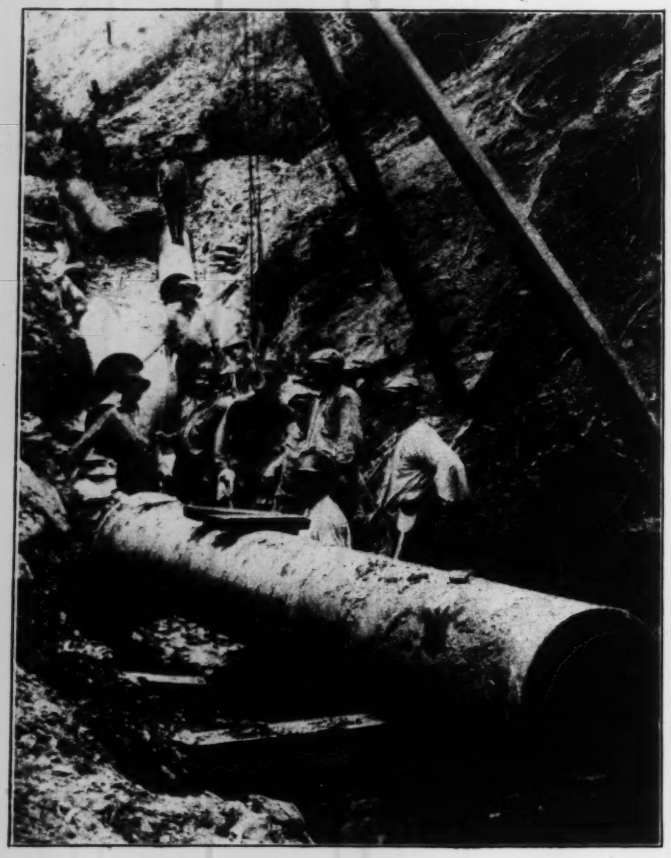
Streets and Roads

Apr. 30 Roxbury (Boston P. O.), Mass. ..... Apr. 22
Apr. 30 Ohio ..... Apr. 29
May 1 Akron, O. ..... Apr. 22
May 1 Marion, O. ..... Apr. 15
May 1 Saginaw, Mich. ..... Apr. 29
May 3 Marshall, Minn. ..... Apr. 22
May 3 St. Paul, Minn. ..... Apr. 22
May 3 Fowler, Ind. ..... Apr. 22
May 3 Pryor, Okla. ..... Apr. 15
May 3 New Jersey ..... Apr. 15
May 3 California ..... Apr. 22
May 3 Martinez, Calif. ..... Apr. 22
May 3 Marysville, Calif. ..... Apr. 22
May 3 Corinth, Miss. ..... Apr. 29
May 3 Huntington, W. Va. ..... Apr. 29
May 3 Paintsville, Ky. ..... Apr. 29
May 3 Ames, Ia. ..... Apr. 29
May 3 Angola, Ind. ..... Apr. 29
May 3 Bayonne, N. J. ..... Apr. 29
May 3 St. Clairsville, O. ..... Apr. 29
May 3 Galesburg, Ill. ..... Apr. 29
May 3 Ames, Ia. ..... Apr. 29
May 3 Hollis, Okla. ..... Apr. 29
May 3 Elmhurst, Ill. ..... Apr. 29
May 3 Springfield, Ill. ..... Apr. 29
May 3 Point Clair, Que. ..... Apr. 29
May 4 Colusa, Calif. ..... Apr. 22
May 4 Rocky River, O. ..... Apr. 22
May 4 Virginia ..... Apr. 22
May 4 Long Beach, Miss. ..... Apr. 22
May 4 Phila., Miss. ..... Apr. 22
May 4 North Dakota ..... Apr. 15
May 4 North Carolina ..... Apr. 22
May 4 Washington ..... Apr. 22
May 4 Port Angeles, Wash. ..... Apr. 22
May 4 Massachusetts ..... Apr. 22
May 4 Vincennes, Ind. ..... Apr. 29
May 4 Maryland ..... Apr. 22
May 4 New Brunswick, N. J. ....Apr. 29
May 4 West View (mail Pittsburgh), Pa. ..... Apr. 29
May 4 Rush Springs, Okla. ..... Apr. 29
May 4 Lucedale, Miss. ..... Apr. 29
May 4 St. Louis, Mo. ..... Apr. 29
May 4 Cleveland, O. ..... Apr. 29
May 4 Tampa, Fla. ..... Apr. 29
May 4 New York, N. Y. ..... Apr. 29
May 4 Long Island City, N. Y. ...Apr. 29
May 4 Louisiana ..... Apr. 29
May 4 Elizabeth, N. J. ..... Apr. 29
May 4 Massachusetts ..... Apr. 29
May 4 Toronto, Que. ..... Apr. 29
May 4 Ft. Dodge, Ia. ..... Apr. 29
May 4 Idaho Falls, Idaho ..... Apr. 29

See proposal advertising on page 114, Advertising Section

TRADE **"LEADITE"** MARK
Registered U. S. Pat. Office

Jointing Water Mains



Laying 20-in. c. i. water mains with LEADITE joints thru rough and mountainous country.

Whether you are building an entirely new system or making an extension, laying large or small mains, you will save time, money and labor by using LEADITE.

In making a LEADITE joint NO CAULKING is necessary. Just yarn the joint and pour it full of molten LEADITE; it is an easy and quick operation.

LEADITE allows you to lay more pipe per day. This means getting water into the line without delay.

The quicker you get water to the consumer, the sooner the line produces revenue.

LEADITE makes the work easier on the men by eliminating much of the drudgery of pipe laying. You know what this means in the cold of winter and the heat of summer, and in bad trenches.

The varied applicability of LEADITE makes it the ideal material for jointing cast iron B. & S. water mains.

You will use LEADITE sooner or later as its advantages cannot help but appeal to you favorably.

Familiarize yourself with LEADITE now.

LEADITE does not corrode or rust.

Users know LEADITE makes a good joint.

LEADITE joints improve with age.

LEADITE has been successfully tested and used for over 30 years.

Thousands of miles of pipe jointed with LEADITE are in service.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close		See Eng. News-Record
May 4	Jefferson, Ia.	Apr. 29
May 5	Bellingham, Wash.	Apr. 22
May 5	Florida	Apr. 22
May 5	Freehold, N. J. Adv. Apr. 22 and 29.	Apr. 22
May 5	North Dakota	Apr. 15
May 5	Eastman, Ga.	Apr. 22
May 5	Columbus, O.	Apr. 22
May 5	Chicago, Ill.	Apr. 29
May 5	Baltimore, Md.	Apr. 29
May 5	Idaho	Apr. 29
May 5	Toledo, Ia.	Apr. 29
May 5	Brooklyn, N. Y.	Apr. 29
May 5	Colorado	Apr. 29
May 5	Boston, Mass.	Apr. 29
May 5	Saskatchewan	Apr. 29
May 6	Creston, Ia.	Apr. 22
May 6	New Brunswick, N. J.	Apr. 15
May 6	North Dakota	Apr. 15
May 6	Pennsylvania	Apr. 15
May 6	Flemington, N. J.	Apr. 29
May 6	Birmingham, Ala.	Apr. 29
May 6	Idaho	Apr. 29
May 6	Chicago, Ill.	Apr. 29
May 7	North Dakota	Apr. 15
May 7	Pennsylvania	Apr. 15
May 7	Salem, N. J. Adv. Apr. 22 and 29.	Apr. 22
May 7	Russell, Kan.	Apr. 22
May 7	Fulton, N. Y. Adv. Apr. 22 and 29.	Apr. 22
May 7	Montgomery, Pa.	Apr. 22
May 7	New York Adv. Apr. 22 and 29.	Apr. 22
May 7	Wisconsin	Apr. 29
May 7	Missouri	Apr. 29
May 7	Cleburne, Tex.	Apr. 29
May 7	Noblesville, O.	Apr. 29
May 7	Tulsa, Okla.	Apr. 29
May 8	Idaho	Apr. 29
May 10	New Jersey Adv. Apr. 22 and 29.	Apr. 22
May 10	Akron, O.	Apr. 22
May 10	Kentucky	Apr. 22
May 10	California	Apr. 29
May 10	Decatur, Tex.	Apr. 29
May 10	San Diego, Calif.	Apr. 29
May 10	St. Clairsville, O.	Apr. 29
May 11	Maryland	Apr. 29
May 11	Washington	Apr. 29
May 11	North Dakota	Apr. 29
May 11	Massachusetts	Apr. 29
May 12	Glenville, W. Va.	Apr. 29
May 12	Mississippi	Apr. 29
May 12	Belvidere, N. J. Adv. Apr. 22 and 29.	Apr. 29
May 12	North Dakota	Apr. 29
May 12	Santa Rosa, Calif.	Apr. 29
May 13	North Dakota	Apr. 29
May 13	Texas	Apr. 29
May 14	North Dakota	Apr. 29
May 15	Anderson, Ind.	Apr. 8
May 17	Morgantown, W. Va.	Apr. 22
May 19	Alabama	Apr. 29
May 21	Alma, Kan.	Apr. 22
May 26	Delaware Adv. Apr. 29.	Apr. 29
June 1	Birmingham, Ala.	Apr. 22

Buildings—Commercial

Apr. 30	Trenton, N. J.	Apr. 22
Apr. 30	Albany, N. Y.	Apr. 22
Apr. 30	Kerrville, Tex.	Apr. 22
Apr. 30	Boston, Mass.	Apr. 22
Apr. 30	Easton, Pa.	Apr. 15
Apr. 30	Pittsburgh, Pa.	Apr. 15
Apr. 30	Winnipeg, Man.	Apr. 29
May 1	Birmingham, Ala.	Apr. 1
May 3	Amarillo, Tex.	Apr. 29
May 3	Royal Oak (Ind. br. Detroit), Mich.	Apr. 29
May 4	Iowa City, Ia.	Apr. 1
May 4	Cambridge, Minn.	Apr. 22
May 4	Kenosha, Wis.	Apr. 29
May 4	Phila., Pa.	Apr. 29
May 5	Marysville, O.	Apr. 15
May 5	Council Bluffs, Ia.	Apr. 29
May 6	Thiells, N. Y.	Apr. 8
May 7	Granville, Pa.	Apr. 29
May 8	Frederick, Md.	Apr. 29
May 10	New Rochelle, N. Y. Adv. Apr. 22 and 29.	Apr. 22
May 11	New Britain, Conn.	Apr. 29
May 14	Farmington, Mo.	Apr. 29
June 14	New York, N. Y.	Apr. 29
May 15	Atlantic City, N. J.	Apr. 22
May 18	Columbus, O.	Apr. 15
May 20	Ohio	Apr. 15
May 25	Iowa City, Ia.	Apr. 15
July 1	Texarkana, Tex.	Apr. 22
Sept. 1	Vancouver, B. C.	Apr. 22

Buildings—Industrial

Apr. 30	Phila., Pa.	Apr. 29
May 1	Canton, O.	Apr. 15
May 3	Phila., Pa.	Apr. 29
May 4	St. Louis, Mo.	Apr. 29
May 4	Phila., Pa.	Apr. 29
May 6	Madison, Wis.	Apr. 29

Buildings—Educational, Religious

Apr. 30	Bellows Falls, Vt.	Apr. 22
May 1	Bridgeport, Conn.	Apr. 29
May 3	Montrose, N. Y.	Apr. 29
May 5	Van Nuys, Calif.	Apr. 29
May 6	Peoria, Ill.	Apr. 22
May 6	Corning, N. Y.	Apr. 22
May 6	West New York (Ind. br. Weehawken), N. J.	Apr. 29
May 6	Whittier, Calif.	Apr. 29
May 6	Brooklyn, N. Y.	Apr. 29
May 6	Louisburg, N. C.	Apr. 29
May 6	West Newton (Ind. br. Boston), Mass.	Apr. 29
May 10	Wichita Falls, Tex.	Apr. 29
May 10	Sparta, Wis.	Apr. 29
May 11	South Jacksonville (Ind. br. Jacksonville), Fla.	Apr. 22
May 11	Hillside (mail Elizabeth), N. J. Adv. Apr. 29.	Apr. 29
May 11	Gary, Ind.	Apr. 29
May 12	Baltimore, Md.	Apr. 29
May 17	Dayton, O.	Apr. 29

Federal Government Work

Apr. 30	Cranes—Wash., D. C. Adv. Apr. 1 to 29.	Apr. 1
May 3	Chain—St. George, N. Y.	Apr. 22
May 4	Power Plant—Wash., D. C. Adv. Apr. 8 to 29.	Apr. 8
May 5	Dredging—South Boston (sta. Boston), Mass.	Mar. 25
May 6	Subdrainage—Douglas, Ga.	Apr. 22
May 7	Remodeling—San Francisco, Calif.	Apr. 22
May 10	Remodeling—Hamilton, O.	Apr. 22
May 11	Gate Chambers, etc.—Wash., D. C. Adv. Apr. 15 to 29.	Apr. 15
May 11	Road—Arizona	Apr. 29
May 12	Road—Alaska	Apr. 29
May 12	Levee—Vicksburg, Miss. Adv. Apr. 29.	Apr. 29
May 12	Apartment—Great Lakes (mail Waukegan), Ill.	Apr. 29
May 12	Mains, etc.—Annapolis, Md.	Apr. 29
May 12	Refrigerating Plant—New London, Conn.	Apr. 29
May 12	Tile Lining—Newport, R. I.	Apr. 29
May 13	Dredging—Indiana Adv. Apr. 29.	Apr. 29
May 14	Remodeling—Miami, Fla. Adv. Apr. 29.	Apr. 29
May 14	Remodeling—Miami, Fla.	Apr. 29
May 14	Pipe Line—Wash., D. C. Adv. Apr. 15 to 29.	Apr. 15
May 18	Recreation—Augusta, Ga. Adv. Apr. 15 to 29.	Apr. 15
May 18	Generators—Wash., D. C. Adv. Apr. 22 and 29.	Apr. 22
May 18	Curbs, etc.—Camp Custer (Br. Battle Creek), Mich.	Apr. 29
May 25	Needle Valves—Oregon Adv. Apr. 29.	Apr. 29

Unclassified

Apr. 30	Platform Extensions—New York, N. Y.	Apr. 22
May 3	Culvert—New Rochelle, N. Y. Adv. Apr. 15 to 29.	Apr. 15
May 3	Boilers, etc.—Mason City, Ia.	Apr. 29
May 3	Lighting System—Peoria, Ill.	Apr. 29
May 5	Tunnel—San Francisco, Calif.	Apr. 1
May 6	Shore Protection — Massachusetts	Apr. 29
May 6	Standpipe and Elevated Tank —Quincy (Ind. br. Boston), Mass.	Apr. 29
May 13	Camp—Tullahoma, Tenn.	Apr. 22
May 14	Tunnel—Oakland, Calif.	Apr. 8
May 18	Signal System—Buffalo, N. Y.	Apr. 1
May 19	Fire Alarm System, etc.—Utica, N. Y. Adv. Apr. 29.	Apr. 29
May 28	Waterproofing Standpipe, etc. —Walpole, Mass. Adv. Apr. 29.	Apr. 29
May 31	Wharf—Mobile, Ala. Adv. Apr. 29.	Apr. 29

Materials

May 1	Mixed Concrete—Cleveland, O.	Apr. 22
May 1	Pipe Culverts — Regina, Sask.	Apr. 29
May 3	Portland Cement—Fergus Falls, Minn.	Apr. 29
May 3	Asphalt—Montreal, Que.	Apr. 29
May 4	Gravel—Long Island City, N. Y.	Apr. 29
May 5	Road Oil—Hartford, Conn. Adv. Apr. 29.	Apr. 29
May 5	Drain Tile—Emmetsburg, Ia.	Apr. 29

News of New Work

Waterworks

Proposed Work

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

N. J., Matawan—Common Council, G. Gillis, chn. Water Com., plans new filter bed and repairing pumps at pumping station. $15,000. Engineer not selected.

Ga., Griffin — E. P. Bridges, city mgr., plans filtration plant, 2 deep wells and necessary equipment. $40,000.

Fla., Winter Park—Voted $100,000 bonds, extending water system.

La., Franklin — Making preliminary plans water supply from Gray Lake with line to here, and improving power plant, etc. $175,000. H. Mentz, Citizens Bank Bldg., Hammond, engr.

Tenn., Elizabeth—Mountain Spring Water Co., W. P. Dungan, secy., soon takes bids 10,000 ft. 10 in. and 336 ft. 6 in. Class "B" c.i. pipe, also 5 tons specials.

Mich., South Haven—Making plans water filtration plant. $150,000. Pearce, Greeley & Hansen, 6 North Michigan Ave., Chicago, Ill., engrs.

Ill., Olney—Plans waterworks plant, incl. pumping equipment and distribution mains. $100,000 upwards. E. Flad Co., 1312 Chemical St., St. Louis, Mo., engrs.

Kan., Emporia—Voted $105,000 bonds, 2 mi. 18 or 20 in. c.i. mains in various streets. F. Humes, Emporia, engr.

Kan., Ft. Scott—Made preliminary surveys, waterworks improvements. $75,000. R. Toles, city engr. S. A. Sulentic, 215 New England Bldg., Topeka, consult. engrs. This corrects report in Apr. 8 issue.

Kan., Ransom—Election May 3, $29,000 bonds, new waterworks. W. B. Rollins & Co., 512 Ry. Exch. Bldg., Kansas City, Mo., engrs. Noted Dec. 17.

N. D., Crosby—Voted $33,000 bonds, waterworks. O. Woolfrey, city aud. Noted Mar. 11.

N. D., Grand Forks—Making plans concrete reservoir. $30,000. L. J. Smith, city engr.

N. D., Jamestown—Voted $90,000 bonds, filtration plant. Noted Feb. 18.

Mo., Cassville—Defeated $25,000 bonds, water distribution system, deep well, 100,000 gal. tank, etc. Russell & Axon, 412 McDaniels Bldg., Springfield, engrs. Noted Jan. 28.

Mo., Seymour—Defeated $35,000 bonds, complete waterworks and distribution system. Noted Mar. 11.

Tex., Olmito (mail Brownsville)—See "Unclassified."

Okla., Chandler — Voted $80,000 bonds, new reservoir, wells, pumps, elevated tank and main extensions Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs. Noted Apr. 1.

Okla., Cherokee—Election May 4, $37,500 bonds, new engine, pump and equipment for present power plant. B. Davis, city clk.

Okla., Covington—Election May 3, $35,000 bonds, main extensions, deep well pumps and motors. C. A. Wood, Stillwater, engr.

See classified index on bids wanted on page 253

Architects
Engineers
Contractors
Public Officials

Emergencies in your work often demand rush construction. Then time is vital; time must be saved; time means money.

In such cases you do not want to wait the time usually required for concrete to reach the desired strength. You do not need to.

By using well-authenticated methods and standard *Universal* cement, the same quality *Universal* regularly used, you can obtain strong concrete in *3 days* and much better and much stronger concrete forever after.

You can prepare yourself for these emergencies by writing for the detailed information on how to obtain this time-saving, strong concrete in *3 days* with standard *Universal* cement.

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

Waterworks (Continued)

Wash., Bellingham — Water Dept. soon takes bids 2,000 ft. 20 in. c.i. mains and approximately 2 mi. 10 and 16 in. pipe in various streets. J. B. McMillan, supt.

Wash., Tacoma — See "Contracts Awarded."

Calif., Burbank—Voted $200,000 bonds, extending watermains and fire hydrants in various streets. Noted Feb. 25.

Calif., Redlands—Voted $525,000 bonds, additional water facility improvements. Noted Mar. 11.

Calif., San Jose—See "Unclassified."

Bids Desired

Mass., Quincy (Ind. br. Boston)—May 6, by Dept. Pub. Wks., excavating, backfilling trench and 7,600 ft. c.i. pipe from Beale to Adams Sts. $15,000 bonds. J. J. Cosgrove, comr.

N. Y., Dexter—See "Sewers."

N. Y., Long Island City—May 4, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc. in 58th Rd., Commonwealth Blvd., Grand Central Parkway, Polk, 54th, 32nd and 89th Aves., Orville, Pansy, Sandol, 166th, 195th and 210th Sts., here.

N. Y., Sacket Harbor—See "Sewers."

N. J., Asbury Park — May 4, by City Comn., 2 wells about 1,135 ft. deep, 15 in. and 10 in casings, etc. Former bids rejected. A. G. King, city clk. Noted Mar. 18.

N. J., Bayonne—See "Streets and Roads."

N. J., Cape May—May 11, by Mayor and City Comrs., waterworks pumping station, 2.5 m.g. capacity, Contrs. 1, 2 and 3. Remington & Vosbury, 509 Cooper St., Camden, engrs.; adv. E. N.-R. Apr. 29.

N. J., Union Beach (br. Keyport)—May 4, by Water Com. Boro Council, A. Cowling, clk., Union Fire Co., Union Ave., approximately 16 mi. 4- to 12-in. pipe, etc. C. Potts, 30 Church St., New York City, consult. engr.; adv. E. N.-R. Apr. 29.

N. C., Liberty—Spoon & Lewis, consult. engrs., 407-8-9 Amer. Bank Bldg., Greensboro, taking bids drilling wells, here, for City.

La., Agurs — T. McCarthy, clk., taking new bids water distributing system. $35,000. Former bids rejected. C. D. Evans, 414 Levy Bldg., Shreveport, engr. Noted Apr. 15.

Miss., Gulfport—May 29 (extended date), by Mayor and Bd. City Comrs., 2 direct connected motor driven centrifugal pumps delivering 1,500 and 1,000 g.p.m. against head of 115½ ft., also pipe, etc. Noted Feb. 18.

Ind., Evansville—May 6, by Bd. Trustees Water Dept., 5,000 ft. 12 in., 5,000 8 in. and 10,000 6 in. c.i. pipe, etc., f.o.b. Evansville.

Ill., Evergreen Park—May 5, by Village Clerk, 6- to 12-in. c.i. mains in various streets. $170,000. E. Hancock Eng. Co., 2047 Ogden Ave., Chicago, engrs. Noted Jan. 28.

Wis., Little Chute—May 4, by M. Van Hoof, village clk., 10,230 ft. 6- to 10-in. mains in various streets. To exceed $15,000. McMahon & Clark, Menasha, engrs. Owner furnishes pipe.

Neb., Nelson—May 7, by J. J. Pfeiffer, city clk., 2,608 ft. Class B c.i. or De Lavand "150" pipe; two 250 g.p.m. vertical and one 1,000 g.p.m. horizontal centrifugal pump d.c. to 3 phase, 220 volt motors remote control; concrete dam spillway and silt line, etc. $35,000. Henningson Eng. Co., Natl. Bank Bldg., Omaha, engrs.

Okla., Okmulgee—May 1, by Bd. City Comrs., at office A. Baker, Comr. Finance, new water supply, incl. dam, etc. L. F. Harza, 919 Monadnock Bldg., Chicago, Ill., engr. Noted Apr. 22.

Calif., La Mesa—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

B. C., South Vancouver—See "Contracts Awarded."

Bids Received

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, Apr. 20, Contr. 811, from A. P. Smith Mfg. Co., 111 Norman St., East Orange, N. J., $18,375; Contr. 812, from U. S. Cast Iron Pipe & Fdry. Co., 142 Chestnut St., $7,266; Contr. 816, from Republic Flow Meters Co., Real Estate Trust Bldg., $2,760; also Contrs. 815 and 817, from C. M. Brown & Co., Lafayette Bldg., $20,177 and $1,596 respectively. Noted Apr. 15.

O., Upper Arlington (Columbus P. O.)—See "Sewers."

Wis., Milwaukee—Central Bd. Purchases, Apr. 15, from U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Ave., Chicago, Ill., 1,860 tons plain, straight water pipe at $46.90 per ton, 114.40 tons lugged $66.90 and 58.42 tons special castings $160.

Contracts Awarded

R. I., Providence—Water Bd., City Hall, superstructure gatehouse of Scituate Dam and siphon chamber of Scituate Aqueduc., in Scituate, to O. D. Purrington & Co., Industrial Trust Bldg., $55,419. Noted Apr. 8.

Conn., New Britain—Bd. Water Comrs., 4,300 ft. 12 in. c.i. mains in East Main St., Contr. L, to H. W. Golden & Son, Troy, N. Y., $9,184; 8,250 ft. in East St., Contr. K, to A. Di Marco, 61 East Main St., Plainville, $14,785 and 4,700 ft. in East Ellis and Stanley Sts., Contr. J, to M. Marinello, 156 Lake Ave., Bristol, $7,350. Grand total $31,319. Noted Mar. 18.

N. J., Trenton—Water Dept., 275 tons 4 and 6 in. c.i. pipe, to U. S. Cast Iron Pipe & Fdry. Co., 71 Bway., New York City, at $54 and $50 per ton respectively. Noted Apr. 1.

S. C., McCormick—Waterworks, to Tucker & Laxton, Realty Bldg., Charlotte, N. C. Noted Apr. 15.

Fla., Brooksville—Extending waterworks, to W. G. Fritz & Co., 258 Valley Rd., West Orange, N. J., $56,673.

O., Massillon — Extending mains in 25 streets, to D. E. Bickel, Massillon, $40,000-$45,000. Engrs. est. $40,000.

Mich., Melvindale (Dearborn P. O.) — For 1,200 ft. 8- to 12-in. c.i. mains in Dix Ave. and Pepper Rd., to Coolsaet Bros., 12734 Michigan Ave., Detroit, $45,000.

Wis., Centuria—C. Anderson, city clk., 8,000 ft. 6 and 8 in. c.i. mains, etc., in various streets, to Republic Co., 427 Home Invst. Bldg., Albert Lea, Minn., $14,000; and 75,000 gal. elevated steel tank, to Chicago Bridge & Iron Wks., 37 West Van Buren St., Chicago, Ill., $7,700. Noted Apr. 1.

Minn., Jeffers—For 9,400 ft. 4 and 6 in. c.i. mains, 30,000 gal. steel tank on 100 ft. tower, pumping equipment, etc., to Bruce, Bickelhaupt Co., 241 Insurance Exch. Bldg., Des Moines, Ia. Noted Feb. 4.

N. D., Fargo—A. R. Watkins, city aud., mains in various streets, to Nordland Constr. Co., Starbuck, Minn., $21,586.

Mo., Forsythe—Concrete reservoir, pumping plant, 75,000 gal. tank on tower and distribution system, to W. E. Plummer, Union Natl. Bldg., Springfield. Engrs. est. $15,000. Noted Mar. 18.

Mo., St. Louis—Bd. Pub. Wks., 208 City Hall, brick settings for four 460 hp. boilers, to D. Seeger, 1317 Ry. Exch. Bldg., $13,875 engrs. est. $15,000, constructing and installing sheet metal breeching in boiler room, to L. J. Kickham, Boiler & Sheet Iron Wks., 2515 North 25th St., $3,490 engrs. est. $6,000. Noted Apr. 22.

Wash., Prosser—Rein.-con. reservoir, to C. Power, Spokane, and distribution system, to Wilson & DeBlasio, Yakima, $66,187. Engrs. est. $80,000.

Wash., Tacoma—City will replace 2,600 ft. 48 in. wood stave pipe line with 52 in. pipe, ⅜ in. copper bearing flange steel plate, by day labor. $66,000.

B. C., South Vancouver—Will install 4 mi. 4 in. mains in various streets, by day labor. $30,000. E. D. Todd, Municipal Hall, engr.

B. C., Vancouver—W. McQueen, city clk., one hundred 6 in., 50 eight in. and 50 twelve in. valves, to Jenkins Bros. Ltd., 103 St. Remi St., Montreal, $6,144; 20,000 ft. 6- to 12-in. c.i. pipe, light centrifugal cast to Evans, Coleman & Evans, foot of Columbia Ave., $22,539; and heavy pipe, to Grinnell Co. Ltd., 1132 Hamilton St., $32,500. Grand total $61,183. Noted Mar. 25.

Sewers

Proposed Work

N. J., Interlaken (mail Allenhurst)—Boro and Mayor plan sanitary sewers in Bridlemere Ave. $30,000. Engineer not selected.

Fla., Winter Park—Voted $235,000 bonds, sewerage system.

Miss., McComb—No election held Apr. 9, $40,000 bonds, disposal plant and sewer extensions. Date for same not set. H. A. Mentz, Citizens Bank Bldg., Hammond, La., engr. Noted Apr. 8.

La., Bunkie — Election May 6, $160,000 bonds, sewerage system. H. A. Mentz, Citizens Bank Bldg., Hammond, engr. Noted Dec. 10.

Mich., Charlevoix—Making plans sewerage system and disposal plant. Pearce, Greeley & Hansen, 6 North Michigan Ave., Chicago, Ill., engrs.

Mich., Detroit — Frishkorn Real Estate Co., 301 West Fort St., making plans 10,000 ft. 12- to 48-in. vitr. or concrete sewers, etc., in Grand Dale Gardens, Redford Twp. $25,000. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., engrs.

Mich., Muskegon Heights (Ind. br. Muskegon) Made plans and election about May 1 $150,000 bonds, vitr. clay storm sewers, etc. in Terrace, Riverton, and Oakwood Sts. R. E. Miles, City Hall, engr.

Mich., Royal Oak (Ind. br. Detroit)—Linwood Realty Co. made plans 12,000 lin.ft. 12- to 18-in. vitr. clay sewers in Twelve Mile Rd. and Campbell Ave., Red Run Golf Subdivision. M. L. Brown & Son, 407 Capitol Theatre Bldg., Detroit, engrs.

Kan., Cedar Vale—Making plans sewerage system. $75,000. Devlin Eng. Co., Bitting Bldg., Wichita, engrs.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, made plans East Rock Joint Sewer, 7,920 ft. 12- to 66-in. vitr. clay, brick or segmental tile, 1,590 ft. 96 in. and 2,620 ft. 108 in. brick or 8 ft. 6 in. and 9 ft. 6 in. rein.-con. horseshoe pipe; Glaise Creek Sewer 25, 1,400 ft. 10- to 18-in. vitr. clay pipe, etc.; and Glaise Creek Sewer 26, 12,250 ft. 8- to 48-in. vitr. clay, brick or segmental tile pipe. W. W. Horner, 300 City Hall, engr.

Tex., San Saba—Recent election $60,000 bonds, declared null and void, sewer improvements. Municipal Eng. Co., 1107 Athletic Club Bldg., Dallas, engrs. Noted Mar. 18.

Okla., Covington—Election May 3, $35,000 bonds, extending sewers in all streets. C. A. Wood, Stillwater, engr.

Okla., Guymon — Making plans 7 mi. sewerage system. $61,000. F. E. Devlin, Bitting Bldg., Wichita, Kan., engr.

Wash., Anacortes—Making plans sewers in 20 blocks various streets. $45,000.

Calif., Fullerton — Plans election $62,500 bonds, outfall sewer extension.

Calif., Orange — Plans election $60,000 bonds, outfall sewer in various streets.

Calif., Santa Anna—Orange Co., election May 19, $379,000 bonds, outfall sewer to connect several towns. Burns & McDonnell Eng. Co., 415 Marsh Strong Bldg., Los Angeles, engrs.

Calif., Sonoma—Defeated $35,000 bonds, sewer improvements.

Bids Desired

Mass., West Roxbury (sta. Boston)—May 10, by Dept. Pub. Wks., Boston, sewerage works in Stony Brook Sect. 10, and Rosindale Branch, here. $75,000 bonds. J. H. Sullivan, comr.

N. Y., Dexter—May 20, by Bd. Trustees, Engine House, sewer and water systems. W. T. Field, Watertown, consult. engr.; adv. E. N.-R. Apr. 29.

N. Y., Long Island City—May 4, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., outlet barrell stave sewer, and necessary pumping facilities in connection therewith, at westerly end 5th Ave. near 10th St., Flushing Bay, College Point, also pumping station and necessary connections between existing sewer and 16 in. W. S. P. force main.

N. Y., Rye—May 19, by Bd. Village Trustees, Municipal Hall, extending sewerage system. J. A. Ehler, Municipal Hall village engr.; adv. E. N.-R., Apr. 29.

N. Y., Sacket Harbor — May 18, by Bd. Village Trustees, Engine House, sewer and waterworks. W. T. Field, Watertown, consult. engr.; adv. E. N.-R. Apr. 29.

N. Y., St. George—May 5, by J. A. Lynch, pres. Richmond Boro, Boro Hall, sanitary sewer in Shaughnessy Lane from Tompkins Ave. to point about 100 ft. east of Charles St.

N. J., Lakewood — May 7, by Lakewood Twp. Com., G. Garon, clk., constructing North Drainage Area Storm Sewer and storm sewer in Clifton Ave. H. C. Shinn, Municipal Bldg., twp. engr.; adv. E. N.-R. Apr. 29.

Md., Salisbury—May 20, at office Salisbury Water & Sewer Comn., constructing sewers, Contr. 18. F. H. Dryden, ch. engr.; adv. E. N.-R. Apr. 29.

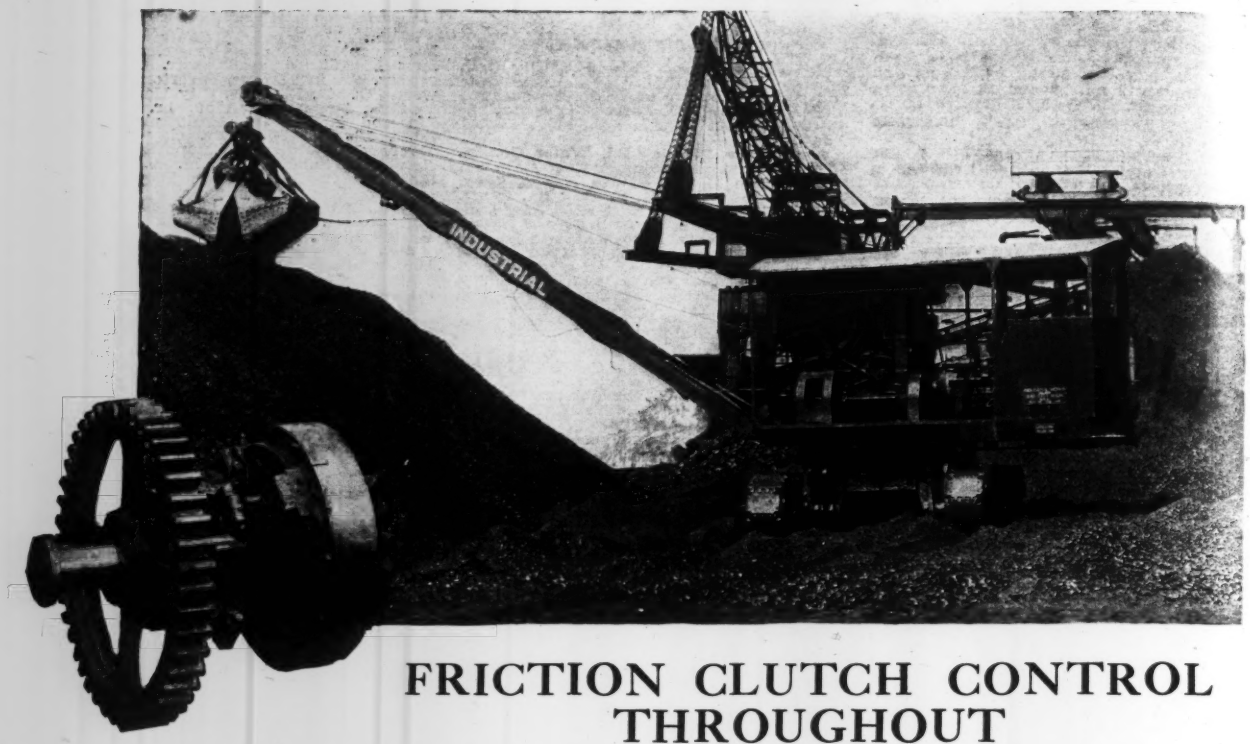
N. C., La Grange — May 21, by Town, sewerage system. J. B. McCrary Engr. Corp., Atlanta, Ga., engrs.; adv. E. N.-R. Apr. 29.

Va., Richmond—May 10, at office R. K. Compton, dir. Pub. Wks., combined sanitary and storm sewers in various streets; adv. E.N.-R. Apr. 29.

Tenn., Cookeville—May 3, by J. E. Owen, city clk. sewerage system, 192 ft. 10- to 18-in. c.i. pipe, 12,900 ft. 8- to 18-in. vitr. pipe, 100 cu.yd. loose rock and 500 cu.yd. solid rock excav., etc. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted May 28.

O., Cleveland—May 6, by City, pumping station substructure, concrete, 32 ft. deep; 12 x 19 concrete with two 100 g.p.m. ejectors, Barberton Ave. Creek. To exceed $25,000. R. Hoffman, City Hall, engr.

Mich., Mt. Clemens — May 12, at office E. D. Miller, Macomb Co. Drain Comr., 7½ mi. sewer in Nine Mile Rd. with disposal plant, manholes, etc.; adv. E. N.-R. Apr. 29.



FRICTION CLUTCH CONTROL THROUGHOUT

—*for maximum efficiency*

TO give an operator a material handling machine that requires real physical effort to operate is decreasing the efficiency of his operation. You do not consciously do this, of course, but many times such is the case. When you buy an INDUSTRIAL you are assured of a machine that handles with the least possible physical exertion and your operators will be pleased with your decision.

Ask the operator—he knows that full friction clutch control is the best. He knows that friction clutches are the answer to smooth, easy operation. No INDUSTRIAL operator tires from operating his crane.

Other products: Locomotive cranes, 5 to 200 tons capacity, freight cranes, pile drivers, clamshell buckets.

This is another reason why INDUSTRIALS excel. Keep your eyes on this space—we have a lot to tell you.

INDUSTRIAL WORKS · · BAY CITY · MICHIGAN

Sewers (Continued)

Mich., Muskegon — May 25 (extended date), by E. R. Cockerill, supt. Muskegon Co. Drains, drains Ruddiman Creek Valley. $75,000-$100,000. M. M. Buck, Union Bank Bldg., Muskegon, engr. Noted Apr. 8.

Mich., Royal Oak (Ind. br. Detroit)—May 3, by R. J. Whitney, city mgr., 9,680 lin.ft. 10- to 30-in. sewers in Dist. 10; 7,448 ft. 10- to 42-in. in Dist. 11; and 8,240 ft. 10- to 30-in. in Dist. 12. Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Ill., Chicago—May 6, by H. E. Wallace, clk. Sanitary Dist. of Chicago, Broadview-Bellwood Intercepting Sewer, 10,890 ft. concrete sewers 5 ft. high and 3¼ ft. internal width, in Roosevelt Rd. from Des Plaines River to Pusheck Rd., and 2,650 ft. sewer 2¾ in. internal diam. in Pusheck Rd. from Roosevelt Rd. to Harrison St. J. M. Whalen, vice chn.

Ill., Chicago—May 6, by Bd. Trustees North Side Sewage Treatment Wks., Div. Q, main building and grit chamber superstructure, incl. 21,000 cu.yd. excav., 6,300 cu.yd. concrete, 650,000 lb. reinforcing, 1,222,000 lb. miscellaneous steel, 825,000 lb. c.i. pipe specials and 1,130,000 cu.ft. building structures, north of Howard St. and west of Chicago & Northwestern R.R. tracks, at Niles Center.

Ill., Libertyville—May 4, by Bd. Local Impvts., sewage disposal plant and outfall sewers in various streets, incl. 12- to 24-in. concrete pipe, etc. Kelker & DeLeuw, 111 West Washington St., Chicago, engrs. Noted Mar. 18.

Minn., Manamingo—May 10, by H. Loken, village clk., 11,500 ft. 8 and 10 in. sewers, etc. in Dist. 1. $25,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs. This corrects report in Apr. 22 issue.

Minn., St. Paul—May 4, by A. E. Eggert, city purch. agt., constructing Trout Brook Sewer, Contr. A. $600,000. G. M. Shepard, city engr.

Mo., St. Louis—See "Streets and Roads."

Calif., Los Angeles—May 5, by Bd. Pub. Wks., constructing Sect. 28, North Outfall Sewer between 12th, Flower, 9th and Hoover Sts. To exceed $25,000. J. C. Shaw, City Hall, engr.

Ont., Toronto — May 4, by T. Foster, mayor, City Hall, 8 and 12 in. vitr. tile sewer in Heath and Duchess Sts., also lane west of Dovercourt Rd.; and brick or concrete sewer in Old Orchard Grove and Yonge Blvd. $100,000. R. C. Harris, City Hall, engr.

B. C., South Vancouver—See "Contracts Awarded."

Bids Received

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, Apr. 21, repairing sewer basin culverts in various streets, from Manmill Constr. Co., 2035 Douglass St., $16,520. Noted Apr. 15.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Apr. 21, temporary sewer in (1) Riker Ave. (2) Hazen St. (3) Calamus Ave. (4) Pacific St. (5) Polk Ave. (6) 37th St. (7) Leavitt St. (8) 91st Ave., from J. Gallo, 30th and State Sts., Flushing, (1) $7,614; from Kennedy & Smith, 93 Bradford St., Flushing, (2A) $234,382 (2b) $219,980 (5A) $167,939 (5B) $143,814 (8A) $36,010 and (8B) $36,400; from Muccinni & Decker, 6102 18th Ave., Brooklyn, (3A) $93,023; from J. H. Johnson, 37 Britton Ave., Elmhurst, (3B) $84,541; from Greenough Koppinger Inc., Flushing, (4) $3,581; from C. Pettrancca, 737 Kathleen Court, Brooklyn, (6A) $43,794 (6B) $37,887; from Welch Bros. Contg. Co., Queens St., Astoria, (7A) $44,915 (7B) $45,253; from O'Brien & Kurth, Inc., 8625 137th St., Jamaica, (8) $5,471. Noted Apr. 15.

N. J., Hasbrouck Heights (Ind. br. Hackensack) — Mayor and Boro Council, J. P. Breeze, clk., 29,000 lin.ft. 4 in. vitr. sewers, etc. between curb line and main sewers in various streets, from LoProto Constr. Co., 50 Main St., Lodi, $26,212. Noted Apr. 1.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, Apr. 21, from A. Mattia, 310 North 65th St., branch sewers in Almond St. $20,866, from A. Perna & Son, 752 South 10th St., Bensalem St. $13,053, from A. DiSandro & Son, 3906 North 5th St., Bingham St. $51,667, from J. Moss, 1652 Wakeling St., Edgemont Ave. $1,246, and Salmon St. $1,096, from Higgins & Reilly, Real Estate Trust Bldg., Elmwood St. $36,096, from Garson & Garson, 5031 Brown St., 49th St. $44,071, from J. Hastie, 5720 Vergman Ave., Glenrock Ave. $5,039, and Tyson St. $19,401, from J. J. McHugh, 1617 Race St., Homer St. $10,304, and main sewers in Aramingo St. $27,872; from A. Casciato, 1602 Wharton St., branch sewer in Jackson St. $5,341, and Marsden St. $6,209, from P. and A. J. Ellis, 4th and Wyoming Sts., Large St. $12,770, and main sewer in 8th St. $46,522; from Perna Eng. & Constr. Co., 362 North 65th St., branch sewer in N St. $18,159, from A. Frunzi, 513 High St., Philelena St. $13,278, from F. T. Buckins, 4050 Kensington Ave., 78th Ave. N. $16,968; and from O'Neill Co., 127 East Mermaid Lane, main sewer in Mansfield St. $159,661, and Gillespie St. $141,599.

O., Upper Arlington (Columbus P. O.)—N. R. Copeland, village clk., Apr. 7, 26,900 ft. 8 and 10 in. sewers in Baldridge, Suffolk, Tewsburg, Beverly, Coventry, Chatfield, Berkshire, Collinswood, Andover, Coventry, Henthorne, Parkway, Kent, York and Wilshore Rds., from Ames Bros., 1777 Coventry Rd., $39,870; also 6,130 ft. 6- to 12-in. c.i. mains in above roads except Tewsbury Rd., from A. F. Riley, 1220 Esper St., Columbus, $10,705. Noted Apr. 1.

Minn., St. Paul—A. E. Eggert, city purch. agt., Apr. 13, approximately 4,400 ft. 12- to 42-in. sewers, etc., in Summit Ave. between Cretin and Dewey Aves., from O'Neil & Preston, 608 Exch. Bank Bldg., $37,000.

Contracts Awarded

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, system temporary sanitary sewers in New Dorp, Oakwood, and vicinity and at pumping station near Oakwood Beach, to Merritt, Chapman & Scott Corp., 17 Battery Pl., New York City, $50,521; also sewage treatment and pumping plant west of Ocean Ave. near Oakwood Beach, to Moharg Barton Co., Inc., 1328 Bway., New York City, $96,859. Noted Apr. 15.

N. J., Oakhurst—Interlaken Boro Sewerage Dists. 1, 2, 3 and 4, Ocean Twp., Monmouth Co., settling tank and sea outlet into Atlantic Ocean, at Lock Arbour, here, to T. Proctor, 212 North 5th Ave., Long Branch, $36,952. Noted Apr. 22.

N. J., Pleasantville—Common Council, c.i. sewer across meadows, to D. S. Bader, 107 South Richards St., Atlantic City, $35,485.

Md., Baltimore—Bd. Awards, Dead Run Trunk Sewer, Sect. 1, in Sewer Dist. G-7, Contr. 228, to F. Angelozzi, Springlake Way and St. Dustans Rd., $28,704. Noted Apr. 15.

Md., Baltimore—Bd. Awards, sludge drying beds 11 to 14 (inclusive), to Adams & Marino, Old Town Natl. Bank, $129,258. Noted Apr. 22.

S. C., McCormick—Sewerage system, to Tucker & Laxton, Inc. Realty Bldg., Charlotte, N. C. Noted Apr. 15.

Fla., Brooksville — Sewerage system, to Bennett & Crane, Brooksville, $80,076.

La., Baton Rouge — See "Streets and Roads."

O., Akron—W. F. Peters, dir. Pub. Serv. 6,600 ft. 8- to 30-in. vitr. clay sewer in Glenwood Ave. et al., to S. Erslan & Co., 370 Bowery St., $23,840. Engrs. est. $35,900. Noted Mar. 25.

O., Ashtabula — Ashtabula Co., Sewer Dist. 2, Impvt. 3, Sect. A, 1,225 cu.yd. excav., 505 cu.yd. concrete, 48,000 lbs. reinforcing, etc., and Sect. B, 1,350 ft. 24 in. vitr. tile pipe outfall sewer, 1,350 ft. 24 in. vitr. tile pipe covered with concrete, 265 ft. 24 in. storm sewer, to Koski Constr. Co., $32,077 and $17,564 respectively; and Sect. C, c.i. pipe, to L. A. Wells Constr. Co., 30 Euclid Arcade, Cleveland, $23,995. Grand total $73,636. Noted Mar. 18.

O., Rocky River — For 22,000 ft. 8- to 24-in. vitr. tile sewer line and curb connections in Detroit Rd., to Randall & Cooper, Lorain, $84,976.

Mich., Melvindale (Dearborn P. O.)—For 2,377 ft. 42 in. rein.-con. sewer in Sect. 1, and 3,375 ft. 36 in. and 852 ft. 33 in. rein.-con. sewer in Sect. 2 Sanitary Trunk Sewer, to Callahan & Gross, 2631 Woodward Ave., Detroit, $105,600.

Ill., Chicago — Bd. Local Impvts., Room 207, City Hall, sewers in South Bishop St. from West 95th to West 97th Sts., in South Millard Ave. from West 51st to West 55th Sts., 97th St. from Vincennes to Winston Aves., South Oakley and South Irving Aves. from West 103rd to West 105th Sts., South Claremont Ave. from West 103rd to West 107th Sts., South Monroe, South Lincoln and South Winchester Aves. from West 79th to West 83rd Sts., West 83rd St. from South Lincoln to South Robey Sts., Harper and Dorchester Aves. from East 87th to East 90th Sts., Blackstone and Dante Aves. from East 87th to East 91st Sts., East Kenwood Ave. from East 87th to East 89th Sts., Kimbarg Ave. from East 87th to East 88th Sts., East 88th St. from Kenwood to Kimbarg Aves., East 89th St. from Dorchester to Kenwood Aves., and East 90th St. from Dante to Dorchester Aves., to Dignan & O'Brien, in Ellwood St. from Birchwood to Jarvis Aves., West 103rd St. from South Wood St. to Longwood Dr., Imperial Ave. from Oshkosh to Ozanam Aves., Ottawa Ave. from Imperial St. to Ozanam Ave., Oshkosh Ave. from Avondale to Ozanam Aves., and Oxford Ave. from Avondale to Osage Aves., to Donato & Benedetto; in Greenshaw St. from South Keeler to South Kildare Aves., Montvale Ave. from Vincennes Ave. to Davol St., Fitch Ave. from North California to North Washtenaw Aves., Estes and Greenleaf Aves. from North California to North Rockwell Sts., to D. Cuzzone, 711 Farquer St.; in South State St. from East and West 79th to East and West 91st Sts., to F. De Christoforo.

Ill., Chicago—See "Streets and Roads."

Ia., Audubon—J. L. Rippey, city clk., sewage disposal plant and 12,000 ft. 18 in. outlet sewers in various streets, to Weighton Constr. Co., Audubon, $41,687. Noted Mar. 4.

Ark., Paris—Comrs. Sewer Dist. 2, Logan Co., 51,893 ft. 8- to 20-in. vitr. clay sewers, etc. in various streets, to R. W. Langston Co., Springfield, Mo., $67,114. Noted Mar. 11.

Calif., San Francisco—Bd. Pub. Wks., 2,998 ft. 5 ft. 6 in. and 76 lin. ft. 2 ft. 3 in. rein.-con. sewer in 43rd Ave. (Sunset Dist.), to C. B. Eaton, 715 Ocean Ave., $60,985. Noted Mar. 25.

B. C., South Vancouver—Will construct sewer in Prince Albert St. between 32nd and 41st Aves. and between Fraser and Ross Sts., by day labor. $114,000. E. D. Todd, Municipal Hall, engr.

Waste Disposal

Bids Desired

Tex., Galveston — May 27, by Bd. City Comrs., brick, tile and rein.-con. incinerator, 80 ton 24 hr. rated capacity. $85,000. C. A. Holt, city engr.

Bids Received

Calif., Los Angeles—Bd. Pub. Wks., Apr. 7, (a) 200 ton or (b) 400 ton per 12 hr. refuse incinerator, East 26th St., in Vernon, from Hiler Eng. & Constr. Co., 122 Livingston St., Brooklyn, New York, N. Y., (a) $189,000 (b) $318,000. Noted Mar. 25.

Contracts Awarded

N. J., Irvington (br. Newark)—Bd. Town Comrs., W. H. Jamouneau, town clk., Town Hall, 2 story, brick, steel and concrete incinerator, Coit St. near Paine Ave. to DeCarie Incinerating Co., 342 Madison Ave., New York City, $124,200.

Bridges

Proposed Work

N. J., Salem—Salem Co. plans Penn's Neck Bridge, 380 ft. long, 30 ft. wide, bascule lift type, over Salem River. $350,000. H. C. Keasbey, Salem, engr.

Ga., Atlanta—See "Streets and Roads."

Michigan — State Hy. Dept., Lansing, making plans 260 ft. steel bridge over Cedar Creek Channel-Muskegon River, Muskegon Co. $75,000. A. E. Melick, c/o owner bridge engr.

Mich., Traverse City — Plans Boardman River bridge, on East 8th St. $30,000.

Wis., Madison—Making plans rein.-con. and steel overhead bridge over Chicago and Northwestern R.R. tracks, on Pond St. $60,000. E. E. Parker, City Hall, engr.

Tex., Albany—See "Streets and Roads."

Tex., Eastland—See "Streets and Roads."

Tex., Groveton—See "Streets and Roads."

Tex., La Grange — See "Streets and Roads."

Tex., Uvalde—See "Streets and Roads."

Wash., Longview—City Council created L. I. D. 19 and 20 consisting of new bridge over Cowlitz River, $264,000; approach at each end, $110,000; and subway under longview, Portland & Northern R.R. tracks, $66,000.

Calif., Fullerton—Plans election $30,000 bonds, constructing 3 bridges in various sections.

Bids Desired

Maine—May 12 (extended date), by State Hy. Dept., Augusta, bridge over Kennebec River in Bath and Woolwich. $3,000,000. J. H. L. Waddell, 150 Bway., New York City., engr. Noted Apr. 8.

N. J., Elizabeth — May 3, by Bd. Freeholders Union Co., Court House, bridges over stream on Larned Rd. in Summit; at Oak St. and 5th Ave. Boro Garwood; at Elm St. near Colfax Ave., Roselle Park; Kimball Ave. near Mountain Ave., Westfield, and over West Brook, Munsell Ave. Linden; also repairing bridges over Cedar Brook, at Stell Ave. Plainfield, Tooker Ave.

TO BE skid-proof and protect heavily burdened draft-horses—to be moisture-proof and not absorb oil, grease or water—to be wear-proof and avoid continuous repairs and frequent replacement—a driveway in industrial service should be of vitrified brick, asphalt-filled.

The fire-toughened surface of vitrified brick resists traffic almost indefinitely. The asphalt filler makes the wearing surface water-tight, flexible and quiet under impact and easy to take up and relay with practically 100% salvage value. And the surface is always skid-proof and non-absorbent.

VITRIFIED
Brick
PAVEMENTS

NATIONAL PAVING BRICK MANUFACTURERS ASSOCIATION, ENGINEERS BLDG., CLEVELAND, OHIO

Bridges (Continued)

near Mountain Ave., Springfield, over Rahway River at Union Ave. and at Eastman St., Cranford, and South 1st St., lift bridge, etc. J. L. Bauer, 80 Broad St., engr.

Pennsylvania — May 19, by Beaver Co. (Beaver), superstructure for 4 pier bridge over Ohio River between Ambridge and Woodlawn. T. J. Wilkerson, Federal Title & Trust Bldg., Beaver Falls, consult engr.

W. Va., Glenville — See "Streets and Roads."

North Carolina — May 4, by State Hy. Comn., Raleigh, rein.-con. bridges, etc., on Project 669, Rowan Co. $53,500; Project 637, Iredell Co., $67,500; Project 624, Catawba Co., $29,000; Project 398, Robeson Co., $47,600; Project 303, Bladen Co., $32,500; and Project 165, Northampton Co., $32,000. C. M. Upham, Raleigh, engr. Noted Apr. 22.

Fla., Safety Harbor—May 10, by City Comn., rein.-con. deck girder or arch bridge, 40 ft. roadway, etc., over Muller Creek, at 1st Ave. $25,000. E. H. Thompson, city mgr.

Mississippi—See "Streets and Roads."

Louisiana—May 27, by State Hy. Comn., Baton Rouge, Bayou Boeuf Bridge, on Houma-Morgan City Highway. Federal Aid Project 155-B, Assumption and St. Mary Parishes. W. B. Robert, Raymond Bldg., highway engr.; adv. E. N.-R. Apr. 29.

O., Akron—May 17, by Comrs. Summit Co., 40 ft. bridge on New Portage-Uniontown Rd., $18,000; May 19, 143½ ft. truss bridge, on Cuyahoga St., $62,000; and May 21, 57 ft. flat slab rein.-con. bridge on Brittain Rd., $15,300. S. G. Sours, Court House, engr.

Mich., Detroit — May 7, by Dept. Pub. Wks., 70 ft. steel I-beam and concrete bridge on concrete abutments over Michigan Central Ry. tracks, on West Lafayette Ave. P. A. Fellows, city engr. Noted Apr. 1.

Mich., Grand Rapids — May 11, Director Pub. Serv., rein.-con. viaduct and approaches on Franklin St. F. H. Locke, city mgr.; adv. E. N.-R. Apr. 29.

Illinois—May 5, by Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, 30 ft. and 40 ft. span concrete girder bridges, also one substructure for 70 ft. steel span bridge, on Route 13, Sect. 16-B, Perry Co.; 70 ft. steel superstructure on Route 13, Sect. 16-C, Perry Co., 51,380 lb. reinforcing, etc.; and 160 ft. span steel superstructure on Route 24, Sect. 14-C, Sangamon Co., 179,060 lb. reinforcing, etc. F. T. Sheets, ch. engr.

Wyoming—See "Streets and Roads."

Missouri — May 7, by State Hy. Dept., Jefferson City, two 8 ft. and three 14 ft. rein.-con. slab, also 80 ft. rein.-con. arch spans in Bates Co.; six 4 ft. and two 10 ft. rein.-con. slab also 30 ft. rein.-con. deck girder spans, etc. in Carroll Co.; two 8 ft., eight 10 ft. rein.-con. slab, and three 35 ft. rein.-con. deck girder, also three 20 ft. I-beam spans, etc. in Cass Co.; two 12 ft. and sixteen 20 ft. rein.-con. slab, also two 40 ft. rein.-con. deck and 60 ft. steel truss spans, etc., Franklin Co.; four 12 ft. rein.-con. slab, 40 ft. and 45 ft. rein.-con. deck girder, and 24 ft. rein.-con. arch spans, etc. Jackson Co.; 45 ft. and two 60 ft. rein.-con. deck girder spans, etc. Jasper Co.; two 30 ft. rein.-con. deck girder and three 80 ft. steel truss spans, etc., Lincoln Co.; 20 ft. and 40 ft. I-beam, also two 60 ft., three 80 ft. and two 240 ft. steel truss spans, etc., Maries Co.; four 22 ft. rein.-con. slab spans, etc., Oregon Co.; three 24 ft. rein.-con. slab and three 35 ft. rein.-con. deck girder spans, etc., Pettis Co.; two 12 ft. rein.-con. slab, and 12 ft. rein.-con. arch spans, etc., Pike Co.; two 12 ft. rein.-con. slab, two 30 ft., 35 ft. and 45 ft. rein.-con. deck girder spans, etc., St. Charles Co.; and three 24 ft. rein.-con. slab spans, etc., Vernon Co. B. H. Piepmeier, highway engr. Noted Apr. 1.

Texas—May 18, by E. W. Davis, mgr., Palestine, 600 ft. timber pile trestle and earth approaches, etc. across Neches River, for Anderson Co. (Palestine) and Cherokee Co. (Rusk), $48,000; also 1.09 mi. creosoted timber or concrete pile trestle and earth approaches across Trinity River, on Highway 41, for Anderson Co. (Palestine) and Freestone Co. (Fairfield), $250,000. Noted Feb. 25.

Texas—See "Streets and Roads."

Tex., Decatur—See "Streets and Roads."

Idaho—May 8, by Comrs. Pub. Wks., c/o Comrs. Butte Co., Arco, 4 concrete bridges on Federal Aid Project 117-A and 118-A, 882 cu.yd. excav. and 78,442 lb. reinforcing, etc. A. N. Ashline, Shoshone, dist. engr.

Idaho, Gooding—May 12, by Comr. Pub. Wks., c/o Comrs. Gooding Co., Gooding, 2 bridges and approaches on Federal Aid Project 120-A, near here, 4,865 cu.yd. excav., 23,000 sta.yd. overhaul, 33,150 lb. reinforcing and 78,200 lb. structural steel, 478 cu.yd. crushed rock or gravel surfacing, etc. A. N. Ashline, Shoshone, dist. engr.

Washington—May 11, by State Hy. Dept., Olympia, 2 T-beam bridges one to have 42 ft. and two 32 ft. spans, and other 32 ft. and two 28 ft. spans, also one 20 ft. culvert, all rein.-con. or timber over Indian Creek, on State Rd. 9 between Lake Sutherland and Elwha River, Clallam Co. J. W. Hoover, Olympia, ch. engr.

Calif., Lincoln—May 10, by State Hy. Comn., Sacramento, rein.-con. bridge over Auburn Ravine, Placer Co., here, 320 cu.yd. concrete, 47,000 lb. reinforcing 1,200 cu.yd. roadway embankment, etc. or alternate 235 cu.yd. concrete, 58,000 lb. reinforcing, etc. R. M. Morton, Forum Bldg., Sacramento, engr.

Calif., Los Angeles — May 10, by Bd. Supervs. Los Angeles Co., 1,139 ft. timber truss bridge, 30 ft., over San Gabriel River, at El Monte Ave., 2,650 cu.yd. earth excav., 9,940 ft. 35 ft. wood piling, etc. $82,993. A. Armstrong, Hall of Records, engr.

Calif., Los Angeles — May 10, by Bd. Supervs. Los Angeles Co., seven 60 ft. span bridge, etc., over Los Angeles River, at Slauson, $26,576; also one 40 ft. concrete span bridge over Rubio Wash at Elmonty Pomona Rd., $25,896. A. Armstrong, Hall of Records, engr.

Bids Received

Massachusetts—See "Streets and Roads."

South Carolina—See "Streets and Roads."

South Carolina—State Hy. Dept., Columbia, rein.-con. bridge over Pacolet River on Route 10, State Project 628, from Latimer & Peake, Columbia, $28,797.

Mississippi — Bd. Supervs. Harrison and Hancock Counties, Chancery Court, Bay St. Louis, Apr. 14, creosoted bridge over Bay of St. Louis between Bay St. Louis and Pass Christian, from J. B. Smith, Alexandria, La., $725,788. Noted Mar. 25.

Ohio—Dept. Hys. and Pub. Wks., Columbus, Apr. 16, constructing McConnel Run Bridge, rein.-con. over McConnel Run, and Perry Run Bridge over Perry Run, both on Marietta-McConnelsville Rd., Morgan Co., from I. J. Kuhner, Jackson, $10,932 and $8,690 respectively; concrete slab bridge on Sect. "D" Zanesville-New Lexington Rd. Perry Co. from Glass Bros., Crooksville, $3,352; concrete bridge on Sect. "K" Logan-Lancaster Rd., Hocking Co., from L. S. Gaty, 387 Linwood Ave., Columbus, $9,837; bridge on Sec. "E" Cincinnati-Batavia Rd., Clermont Co., from C. H. Dunn, Mt. Orab, $3,771; and 3 bridges on Sect. "B," Athens Co., from F. H. Beckler, Athens, $12,990. Noted Apr. 8.

Tex., Abilene—See "Streets and Roads."

Contracts Awarded

North Carolina — State Hy. Dept., Raleigh, rein.-con. bridges, etc., on Project 591, Rockingham Co., to Draper & Wood, Roanoke, Va., $45,507. Noted Apr. 15.

Tenn., Smithville — De Kalb Co. Bridge Com. 2 steel and concrete bridges, one over Holmes Creek, and other over Loves Ferry, to Nashville Bridge Co., Shelby Ave., Nashville. Engrs. est. $25,000.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridge on Route 39, Sect. 1-B, McLean Co., to O. Stewart, Urbana, $4,716; on Route 39, Sect. 2-B, McLean Co., to G. C. Fairclo, Champaign, $11,623; on Route 39, Sect. 2-C, McLean Co., to Vincennes Bridge Co., Vincennes, Ind., $6,297; on Route 29, Sect. V-2, Bureau Co., to J. P. Schmitt Constr. Co., Peoria, $7,912. Grand total $30,548. Noted Nov. 5, Mar. 4.

Ia., Logan—Harrison Co., 4 I-beam and 1 arch bridges, and 60 culverts and extensions on Federal Aid Project 138, to Material Supply & Constr. Co., Boone, $77,332; 2 pony trusses, to Heseel Roords, Rock Valley, $24,200.

Dams

Bids Desired

Ark., Siloam Springs — See "Contracts Awarded."

Contracts Awarded

Ark., Siloam Springs — Ozark Co., J. K. Livingston, mgr., will build 150 ft. rein.-con. dam across Illinois River, ¼ mi. above Watts-Siloam Springs bridge, by day labor.

Railways

Proposed Work

Massachusetts—New York, New Haven & Hartford R.R., E. Gagel, ch. engr., New Haven, plans transfer railroad yards on property formerly known as Readville Race Track. To exceed $25,000. Private plans.

Alabama — Muscle Shoals, Birmingham & Pensacola R.R. Co., c/o St. Louis & San Francisco R.R. Co., F. G. Jonah, ch. engr., Frisco Bldg., St. Louis, Mo., making preliminary plans relocating and eliminating curves and heavy grades on 7.6 mi. (two sections), here. $150,000. This corrects report in Apr. 15 issue under "Missouri."

Contracts Awarded

Washington — Cowlitz, Chehalis & Cascade R.R. Co., Chehalis, constructing (2nd unit) 5 mi. road bed for tracks, in Chehalis, to Hendricks & Olson, Chehalis; remaining 3 mi., to Graham Bros. & Medley, Chehalis.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Fla., Ft. Myers—See "Unclassified."

Miss., Gulfport—Gulfport Yacht Club, c/o A. S. Hopkins, making preliminary plans yacht harbor, clubhouse, etc.

O., Cleveland—City, W. R. Hopkins, mgr., made plans bulkheads at Gordon and Edgewater Parks along Lake Erie, double row of piling with fill of stone and loose materials. $750,000. R. Hoffman, City Hall, engr.

Wis., Madison—Defeated $200,000 bonds, dredging Lake Monona. E. E. Parker, City Hall, engr. Noted Jan. 14.

Tex., Olmito (mail Brownsville)—See "Unclassified."

Bids Desired

Ill., De Kalb — May 8, by Comrs. Coon Creek D. D. at office Clerk De Kalb Co., Sycamore, cleaning out old channel, incl. 15,000 cu.yd. excav., etc., here. W. M. Hay, De Kalb, dist., engr.

Mo., New Madrid—May 12, by Morgan Eng. Co., engrs., Court House, approximately 2,715,000 cu.yd. excav., etc. from Ditches 2, 3 and 4, D.D. 38, New Madrid Co.

Tex., Beaumont—May 4, by Jefferson Co. D. D. 6, c/o E. W. Boyt, chn., taking bids lateral drainage ditches, using Hildebrandt's Willow, Marsh, Pevito, Bayou Din and north fork Taylor's Bayou as mains, approximately 385,000 yd. excav. $75,000. G. Masterson, Beaumont, engr. Noted Feb. 18.

Tex., Galveston—June 1, by J. M. Murch, aud. Galveston Co., 2,800 ft. sea wall adjacent to government wall on west end of island, 9,765 lin.ft. 35 ft. round piling, 89,280 lin.ft. 40 ft. and 12,555 lin.ft. round piles, 44,208 lin.ft. 24 ft. rein.-con. sheet piling, etc.

Calif., La Mesa—May 10, by Directors La Mesa, Lemon Grove and Spring Valley Irrigation Dist., constructing pipe line, 36,225 ft. 8- to 26-in. riveted or lock bar pipe, etc., (1) furnishing (2) dig trench (3) haul pipe (4) furnishing valves and fittings. T. H. King, 121 South Spring St., engr. Noted Feb. 4.

Bids Received

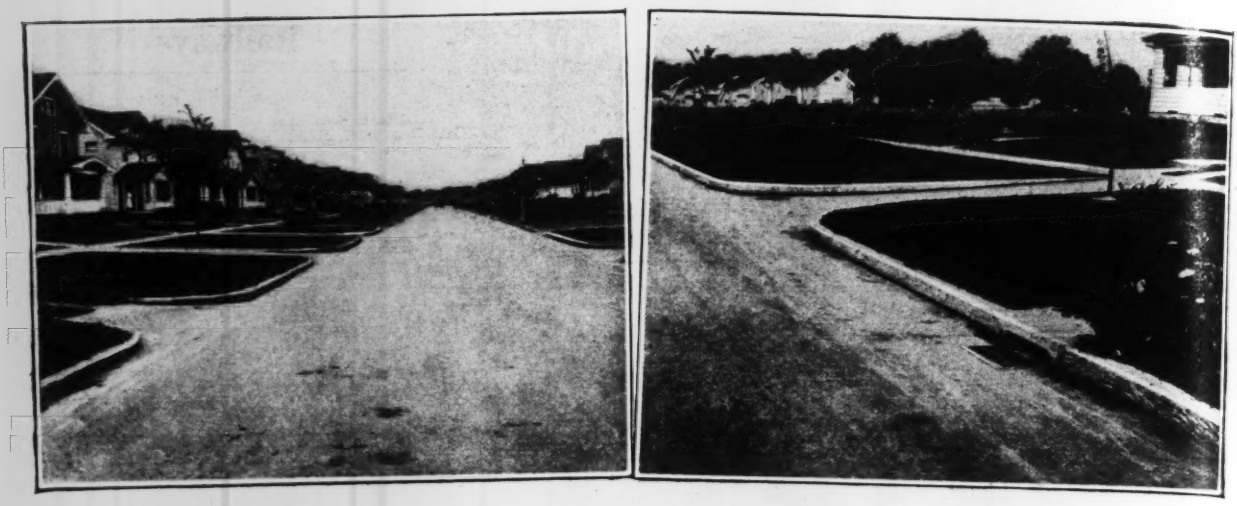
N. Y., Albany—Albany Port Dist. Comn., 100 State St., Apr. 23, dredging in Hudson River, here, from Amer. Pipe & Constr. Co., Amsterdam, $367,037. Noted Apr. 8.

Streets and Roads

Proposed Work

Mass., Reading—Plans constructing and reconstructing various roads. $74,000 appropriated. Bd. Selectmen, engr.

N. J., Asbury Park—Plans paving Pine, Central, Dunlewey, Drummond, 3rd, 4th and Springfield Aves. $186,000. N. Rogers, Asbury Park, engr.



"Split face" GRANITE makes an everlasting CURBING

This is a curb having the face left rough, as it naturally comes from the quarry. It is inexpensive, no high priced stone-cutters being needed to finish it. Given a depth about 3 times its width, you have a curbing that "lives forever", enhancing the appearance of road or sidewalk.

Granite curbing is easy to handle without special equipment, and its makers can be relied upon for speedy delivery by rail, water or truck from a nearby quarry. This saves thousands of dollars in labor costs for cities and contractors—for once granite curbing is in place all further costs are over.

Write for Booklet, "Granite Street Construction."
It covers the curbing question in detail.

The Granite Paving Block Mfgrs. Assoc. of the U. S., Inc.
31 State Street, BOSTON, MASS.
Representing The World's Greatest Granite Quarries

GRANITE·LIVES·FOREVER

Streets and Roads (Continued)

N. J., Keansburg—Monmouth Co. (Freeholder) plans concrete paving 3 mi. Keansburg-Keyport Rd. G. K. Allen, Red Bank, engr.

N. J., Mount Rose — Freeholders Mercer Co. (Trenton) making plans bituminous concrete paving 2 mi. Mount Rose Rd. $30,000. H. F. Harris, Courthouse, Trenton, engr.

N. J., New Brunswick—Plans sheet asphalt on concrete paving George's Rd. from Natl. Music String Co. plant to Commercial Ave. $660,000. State and Middlesex Co. to share cost. A. Atkinson, New Brunswick, engr.

N. J., Trenton—Ewing Twp. plans cement sidewalks on westerly side Pennington Rd. $34,500. E. N. Storne, 1618 Riverside Dr., engr.

N. J., Trenton—City Comn., L. D. Hirsch, clk. plans sheet asphalt paving 9 streets. $296,000. J. E. English, City Hall, engr.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, rejected bids Apr. 8, grading E. Emerson, Hoffnagle, Ryers, Edna, Fern, Franklin, Front, Gale, Lawrence, Spencer, 2nd, 4th, 9th, 11th, 12th, Glen-Echo, and Tyson Sts. Noted Apr. 22.

W. Va., Moundsville—City Council soon takes bids vitr. brick paving Water and other streets. $50,000. J. J. Sammons, Moundsville, engr.

North Carolina — State Hy. Dept., Raleigh, rejected bids Mar. 30, clearing, grubbing, grading, etc., 11.55 mi. Project 244, Jones Co. $87,000. Will readvertise. C. M. Upham, Raleigh, engr. Noted Apr. 15.

Ga., Swainsboro — Emanuel Co. voted $400,000 bonds, improving various roads.

Ga., Newman—Voted $50,000 bonds, paving various streets.

Ala., Attalla—Plans concrete paving 13 blocks various streets. $50,000.

La., Covington — St. Tammany Parish plans issuing $30,000 bonds hardsurfacing roads in Road Dists. 1, 3 and 4, incl. John Paintville Highway, Abita Springs-Mondeville Highway and Abita Springs-Florenville highway to Lower Davis Rd.

La., Thibodaux — Road Dist. 8 plans issuing $50,000 bonds, hardsurfacing roads between Cut-off and Golden Meadow.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, takes bids about June 9, grading, etc., 7 mi. McMinville-Grundy Co. line Rd., Warren Co. C. N. Bass, highway comr.

Tenn., Erin — Houston Co. election soon $150,000 bonds, grading and surfacing various roads.

Tenn., Huntsville—Scott Co. making surveys improving 16 mi. Huntsville-Campbell Co. line Rd. Work will probably be done under supervision State Dept. Highways & Pub. Wks., Nashville. C. N. Bass, comr. Noted Feb. 4.

Tenn., Murfreesboro — Rutherford Co. Court and State Dept. Highways & Pub. Wks., Nashville, plan improving 20 mi. Murfreesboro-Shelbyville Rd. and Murfreesboro-Beech Grove Rd. C. N. Bass, highway comr.

Tenn., Springfield — Robertson Co. and Dept. Highways & Pub. Wks., Nashville making surveys constructing and surfacing 5 mi. Springfield-Orlinda Rd. To exceed $25,000.

Ky., Cynthiana—Election in May, $150,000 bonds, paving various streets.

Ohio—Dept. Highways & Pub. Wks., Columbus, cancelled bids to have been opened Apr. 16, grading and bituminous macadam or waterbound macadam paving 3.954 mi. Sect. "C" Medina-Ashland Rd., Ashland Co.; concrete paving 0.464 mi. Sect. "K" National Rd., Belmont Co.; concrete or bituminous macadam paving Sect. "Spring Valley" Columbus-Cincinnati Rd., Greene Co.; and brick on concrete paving, 4.01 mi. Sects. "A and B" Akron-Massillon Rd., Summit Co. G. F. Schlesinger, ch. engr. and highway dir. Noted Apr. 8.

O., Cincinnati—Plans vertical fibre brick repaving 13,000 sq.yd. Highland Ave. from McMillan St. to Melish Ave. $98,907, and 17,500 sq.yd. Florence Ave. $137,296; granite block paving 8,000 sq.yd. McMicken Ave. from Vine to Main Sts., $51,083, and 6,400 sq.yd. Main St. from 4th to Front Sts. $57,096; concrete paving 26,000 sq.yd. Quebec Rd. from Queen City to Glenway Aves. $279,000, 19,000 sq.yd. Fairbanks Ave. from Price to Delhi Aves. $200,570, 17,000 sq.yd. Madison Rd. from Woodburn to Observation Aves. $63,060, and 3,500 sq.yd. 3rd St. from Eggleston Ave. to Pike St. $25,355. C. O. Sherrill, City Hall, engr.

O., Canton—Bd. Control soon takes bids repaving and extending Hazlette Ave. N. W., to McKinley monument approach. $30,000. W. E. Sarver, City Hall, engr.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, rejected bids Jan. 9 and Feb. 19, paving Route 36, Sect. 17, Pike Co., and Route 19, Sect. 86-W, Cook Co. F. T. Sheets, ch. engr. Noted Mar. 4.

Ill., Marseilles—Takes bids about June 1, grading, curbing, and concrete paving 2 mi. Bluff St., 30 ft. $149,000. Consoer, Older & Quinlan, 140 South Dearborn St., Chicago, engrs.

Ill., Mounds—Plans grading, curbing and concrete paving various streets. $27,000. G. F. Dewey, Cairo, engr.

Ill., Rockford. — Plans grading, curbing, sewers and warrenite bitulithic on 5 in. concrete paving 8 blocks 15th Ave., 29 ft., $41,050; grading, curbing, macadam and concrete paving 4 blocks Mulberry and South Gregory Sts., and 2 alleys, $29,840. B. C. Harvey, City Hall, engr.

Ill., Staunton—Takes bids about July 7, grading, curbing and paving 8,200 ft. Main St., State Highway 4, 30 ft., State Hy. Dept., Nashville, will pave center 18 ft. and city the balance; also rein.-con. paving 1 mi. in city, 30 ft., to connect with State Highways 4 and 16. $100,000. W. A. Fuller Co., 1817 Railway Exch. Bldg., St. Louis, Md., engrs. Noted Jan. 28.

Wis., Madison—Defeated $609,000 bonds, extending University Ave. to Capitol Square. E. E. Parker, City Hall, engr. Noted Mar. 11.

Wis., Milwaukee—W. Cavanaugh, comr. Milwaukee Co., 133 2nd St., plans concrete paving 0.5 mi. Granville Rd., 1 mi. Highway F, 1½ mi. Lincoln, 0.5 mi. Hawthorne, 2 mi. Rawson, 2 mi. Layton and 1 mi. Wauwatosa Aves. J. T. Donaghey, Madison, highway engr.

Ia., Albia—Monroe Co. defeated $600,000 bonds, improving various roads. Noted Apr. 15.

Ia., Centerville — Appanoose Co. voted $650,000 bonds, grading 26 mi., gravel surfacing 34.5 mi., and paving 24 mi. Primary Roads 3 and 59. F. L. Davis, Centerville, co. engr.

Ia., Fairfield—Jefferson Co. voted $800,000 bonds, concrete surfacing 40 mi. and gravel surfacing 9 mi. various roads, 18 ft. Total $1,308,000. M. H. Bryant, Fairfield, co. engr.

Ia., Iowa City—Made preliminary plans grading, curbing and hardsurfacing, etc., various streets. F. E. Young, City Hall, engr.

Ia., Newton—Jasper Co. plans new election $1,000,000 bonds grading 35 mi., gravel surfacing 37 mi., and paving 47.5 mi. Primary Road System. Former bond issue defeated. R. McMurray, Newton, engr.

Ia., Osceola—Making preliminary plans grading, curbing, concrete, asphalt or hardsurfacing various streets. Brown & Cook, Ottumwa, engrs.

Ia., Oskaloose—Mahaska Co. voted $1,000,000 bonds, grading 55 mi. and paving 35 mi. Primary Road System. R. H. Tumy, Oskaloosa, co. engr. Noted Apr. 8.

Kan., Atchinson—Making plans concrete paving, etc., 4.572 mi. Cemetery Rd., 18 ft. R. D. Coleman, 604 North 3rd St., engr.

Kan., Bonner Springs—City and Wyandotte Co. soon take bids brick and concrete paving 1 mi. road, 18 and 40 ft. P. A. Williamson, 1327 Waverly Ave., Kansas City, Mo., engrs.

Kan., Lawrence — Douglas Co. making plans concrete or bituminous concrete surfacing 5 mi. Federal Aid Project 227-D, 18 ft. E. E. Trueblood, Lawrence, engr.

North Dakota — State Hy. Dept., Bismarck, rejected bids Apr. 8, grading and concrete paving 6.011 mi. Federal Aid Project 219-A, Pierce Co. C. Christensen, highway comr. Noted Mar. 25.

Mo., Canton — Election May 4, $25,000 bonds, grading, paving, etc. 10 blocks various streets. $75,000. W. B. Rollins & Co., 521 Ry. Exch. Bldg., Kansas City, engrs.

Mo., Kirkwood — Dubinsky Realty Co., Wainwright Bldg., St. Louis, making preliminary plans grading, concrete paving, etc., various streets in Corona Park Subdivision. To exceed $25,000. Keck Surv. Co., 721½ Chestnut St., engrs.

Mo., Maplewood (br. St. Louis)—Making preliminary plans rein.-con. widening approximately 7,000 sq.yd. Big Bend Rd.

Mo., St. Louis—Soon takes bids improving Cass Ave. between Bway. and Hogan St., 17,950 sq.yd. recut granite block paving, 6,355 ft. granite curbing, etc. $115,000; also Cass Ave. between Hogan and Glasgow Sts., $18,530 sq.yd. shallow granite block paving, 7,840 ft. granite curbing, etc. $135,000. W. W. Horner, 300 City Hall, engr.

Mo., Webb City—Defeated $60,000 bonds, paving various streets. Noted Feb. 18.

Arkansas—State Hy. Dept., Little Rock, making plans grading and graveling 12 mi. Tuckerman-Alicia Rd., Jackson Co.; 5 mi. Buena Vista-Stephens Rd., Ouachita Co.; 8 mi. Magnolia-Lake Village Rd., Columbia Co.; 12 mi. Almap-Mulberry Rd., Crawford Co.; and 7 mi. Barton-Lee Co. Rd., Phillips Co. R. C. Limerick, state highway engr.

Tex., Albany — Shackleford Co. made plans grading and bridging 13.69 mi. Highway 18, Federal Aid Project 477-B, 26 ft. $45,600. J. E. Pirie, Albany, co. engr.

Tex., Denison — Voted $50,000 bonds, paving various streets. C. E. Haydon, Denison, engr. Noted Mar. 11.

Tex., Eastland—Eastland Co. returned bids unopened which were received Apr. 12, grading and bridging 3.69 mi. Cisto-Callahan Co. Line Rd. $140,000. Will probably readvertise. G. E. Franklin, Eastland, engr.

Tex., Galveston—Soon takes bids paving 25th St. from South Bway. to Boulevard, Ave. H from 40th to 46th Sts., and 24th St. from Market St. to Bway. $30,000. C. A. Holt, Jr., Galveston, engr.

Tex., Galveston — Galveston Co., voted $150,000 bonds, constructing Port Arthur-Galveston Highway from Port Bolivar to High Island. C. C. Washington, Galveston, co. engr.

Tex., Groveton—Trinity Co. takes bids after May 1, grading and bridging 19½ mi. Highway 94. $90,000. J. O. Booker, Groveton, engr.

Tex., Hallettsville — Lavaca Co. making revised plans bituminous macadam paving 11.07 mi. Highway 72, State Aid Project 320, 18 ft. $220,000. W. H. Koether, Hallettsville, resident engr.

Tex., La Grange — Fayette Co. making plans grading, bridging and gravel surfacing 6 mi. Highway 44, 18 ft. $119,400. R. E. Schiller, La Grange, co. engr.

Tex., Memphis—Hall Co. soon takes bids grading and bridging 3.147 mi. State Highway 5, Federal Aid Project 438-4, 26 ft. $42,700. C. L. Hasie, Memphis, co. engr.

Tex., Uvalde—Uvalde Co. making plans grading and bridging 8.6 mi. Highway 55, State Aid Project 671, 26 ft. $55,000. M. B. Hodges, Uvalde, co. engr.

Oklahoma — State Hy. Dept., Oklahoma City, made surveys concrete surfacing 8 mi. State Highway 7, 30 ft., Nowata Co. $175,000. J. M. Page, highway engr.

Okla., Blackwell—Plans curbing, grading and vertical fibre brick paving 10,200 sq. yd. 8th, Cedar and 3rd Sts. $43,000. W. Ritzhaupt, Jr., Blackwell, engr.

Okla., Duncan—Made preliminary plans grading and concrete paving 8,800 sq.yd. various alleys. $26,400. V. Z. Rogers, Duncan, engr.

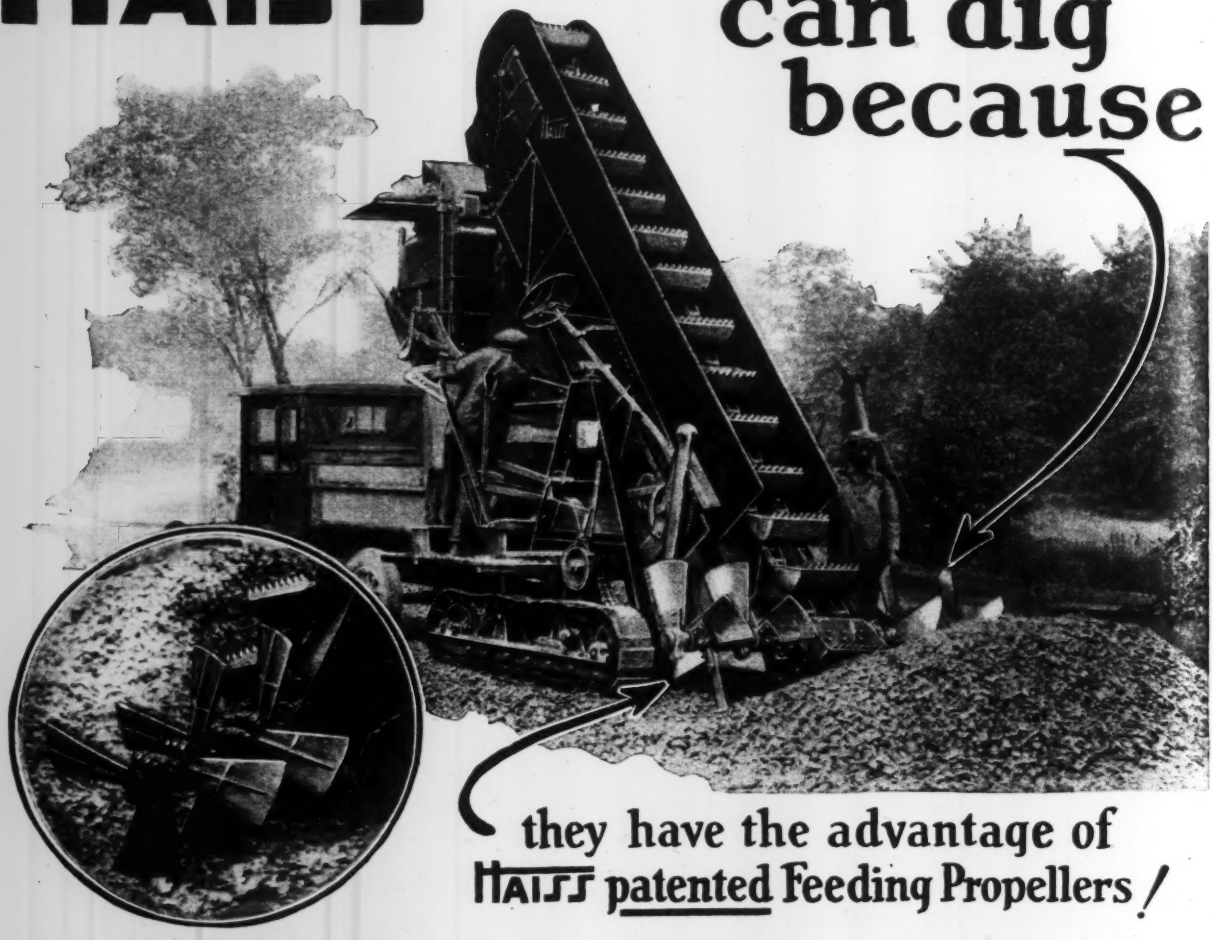
Okla., Hollis — City Council made plans, grading, curbing and concrete paving 9,800 sq.yd. Main St. and Bway. $31,600. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Okla., Lawton—Plans grading and concrete paving 10,600 sq.yd. streets in Dists. 8 and 9. $31,000. G. Dale, Lawton, engr.

Okla., Muskogee—Plans grading, curbing and concrete paving 20,700 sq.yd. Baltimore, Ellsworth and Montana Sts. $63,300. J. R. Marsh, Muskogee, engr.

Okla., Oklahoma City — Plans grading, curbing and sheet asphalt paving 5,400 sq.

HAISS Loaders can dig because



they have the advantage of HAISS patented Feeding Propellers!

PATENTED

Haiss Feeding Propellers, in combination with other features of our machine are covered by Reissue patent No. 15,515, dated January 2, 1923, a reissue of patent No. 1,345,172, dated June 29, 1920.

We have instituted suit against an infringing manufacturer advertising for sale loaders containing the above mentioned features.

Notice is hereby given that we will vigorously prosecute any infringement and the public is warned against buying or using any product infringing our patents.

George Haiss Mfg. Co., Inc.

The powerful, positive, picking and conveying action of the revolving paddles of the Haiss Self-Feeding Device does more than push loose stockpiled material into the buckets. They *dig*: you can use a Haiss Loader for digging sand or gravel from a bank, for excavating soil, for grading (with or without preliminary plowing as necessary). This flexibility of application makes the Haiss Loader more valuable to any man who uses equipment of this kind. He can keep the machine busy all the time.

Back of the simple, sturdy feeding device is the driving power of a big 37-h.p. Waukesha motor—with power, enough to meet any need. And, matching this high power is the strength of materials and design of parts which enables you to put the load on the machine without fear of breakage.

Ask for Catalog 523 and learn more about this heavy duty loader.

George Haiss Manufacturing Co., Inc.
140th Street and Rider Avenue, New York

Portable Belt Conveyors *Clamshell Buckets* *Elevators, Screens, etc.*

Streets and Roads (Continued)

yd. 21st St. from Youngs Blvd. to May Ave. $27,700. B. M. Hart, City Hall, engr.

Okla., Oklahoma City — Plans grading, curbing and sheet asphalt paving 14,200 sq. yd. and concrete paving 9,600 sq.yd. Avenues C and G, Villa and McKinley Sts. $92,600. B. M. Hart, City Hall, engr.

Okla., Ponca City—Made plans grading, curbing and vertical fibre brick paving 8,100 sq.yd. South 4th and Peachtree Sts. $36,700. E. A. Jones, Ponca City, engr.

Wash., Longview—See "Bridges."

Wash., Raymond—Takes bids about May 12, 8 in. concrete paving, etc., 5 blocks Commercial St., 36 ft. J. E. Buckingham, Raymond, engr. Noted Mar. 18.

Wash., Seattle — Comrs. King Co. take bids about May 1, constructing 2 mi. (3rd link) Kirkland-Redmond Highway; also under crossing beneath Northern Pacific R.R. tracks at Kirkland, $41,000. Work involves 53,000 cu.yd. excav. T. R. Beeman, Seattle, engr.

Wash., Yakima—City Comrs. take bids about May 12, concrete paving, etc. 6th St. between Yakima Ave. and A St. $64,156. C. F. Wilson, Yakima, engr.

Calif., Monterey—City, cancelled contract (due to error) curbing, guttering, walks, asphaltic concrete paving, etc., 161,400 sq.ft. Park and Ocean Aves. Noted Apr. 8.

Calif., San Diego—Common Council made plans improving Playa del Sur, etc., 249,378 sq.ft. 5 in. concrete paving, 20,368 sq.ft. concrete sidewalk, 7,587 lin.ft. concrete curbing, 2,035 cu.yd. excav., etc. F. A. Rhodes, city engr.

Ont., Bridgeburg—Town, A. L. Jackson, clk., plans asphalt, macadam or concrete paving 16,000 sq.yd. Gilmour Rd. $65,000. Engineer not selected. Noted Apr. 15.

Ont., Leamington — Making plans and probably takes bids about May 15, concrete paving Talbot St. $35,000. J. J. Newman, Davis Blk., Windsor, engr.

Ont., Toronto — City Council plans asphalt surfacing Colborne St. $9,396, and lane 1st North of King St. $1,608; concrete paving lane 1st South of Grange Ave. $2,441, and Lancaster Ave. $3,374; also asphalt on concrete paving Hudson Ave. $11,221. R. C. Harris, City Hall, engr.

B. C., Kerrisdale — Made plans paving Dunbar St. W. B. Grieg, municipal engr. $152,500.

Bids Desired

Maine — May 4, by State Hy. Com., Augusta, concrete paving 2 sections "S" Paris, 7.39 mi. and "X" 4.94 mi. in Bangor; bituminous macadam paving 3 sections 1.81 mi. "F" in Auburn, 1.08 mi. "K-Spur" in Fort Fairfield and 1.49 mi. "M" Mt. Desert; graveling 4 sections 5.25 mi. "N" Steuben, 5.58 mi. Jonesboro-Whitneyville-Machias, 3.5 mi. "Y-Spur" Orland-Penobscot, and 6.88 mi. "Sokokis Trail," Cornish-Limerick. P. D. Sargent, ch. engr.

Massachusetts — May 4, by Dept. Pub. Wks., Boston, bituminous macadam paving 1,900 ft. Highway in Holbrook, and 3,340 ft. in Sharon, 18 ft. W. F. Williams, comr.

Massachusetts — May 11, by Dept. Pub. Wks., Boston, bituminous macadam paving 18,548 ft. Highway in Hingham and Weymouth, 18 ft. W. F. Williams, comr.

Mass., Boston — May 5, by Dept. Pub. Wks., sheet asphalt or bitulithic paving Arlington, Ashford, Coffin and Clarendon Sts. $25,000 bonds. J. H. Sullivan, comr.

N. Y., Brooklyn—May 5, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, asphalt resurfacing by heater method Chester, Crystal, East 32nd, Hendrix and Huron Sts.; Christopher, Lafayette, Vandervoort, 10th, Ditmas Aves.; also grading and asphalt on 6 in. concrete paving Court St.

N. Y., Long Island City—May 4, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading and sheet asphalt repaving Jackson Ave.; grading and asphalt block repaving Jamaica Ave. (Kissena Blvd.) and Franklin St.; grading and granite block on concrete paving Myrtle Ave.; and sheet asphalt on macadam paving Sutphin Rd.

N. Y., New York—May 4, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading, curbing, sidewalks and sheet asphalt paving Leland Ave. and Chishom St.; asphalt block on concrete repaving La Fontaine St.; and granite block on concrete paving East 152nd St.

N. Y., St. George — Apr. 30, by J. A. Lynch, pres. Richmond Boro, Boro Hall, concrete sidewalks on southerly side New Dorp Lane from Hylan Blvd. to Britton Lane; and bituminous concrete paving Targee St. and Castleton Ave.

N. J., Bayonne — May 3, by Hudson Co. Park Comn., 921 Bergen Ave., Jersey City, J. Filoramo, Jr., secy., grading, bulkhead, water supply and electrical work, etc. at Bayonne County Park, here.

N. J., Belvidere—May 12 (extended date), by Bd. Freeholders Warren Co., rein.-con. paving 61,256 sq.yd. Phillipsburg-Belvidere Rd., Sect. 3, from Harmony to Roxbury incl. Lincoln St., etc. H. W. Vetter, Belvidere, co. engr.; adv. E. N.-R. Apr. 29. Noted Apr. 15.

N. J., Elizabeth—May 4, by Bd. Freeholders Union Co., Court House, grading and sheet asphalt on concrete or rein.-con. paving 20,666 sq.yd. Kenilworth Blvd. from 20th St. to Springfield Ave. J. L. Bauer, 80 Broad St., co. engr.

N. J., Flemington—May 6, by Hunterdon Co., bituminous macadam paving 17,320 sq.yd. Bristols Corner-West Portal Rd., in West Portal, and 15,499 sq.yd. Point Breeze-Arwine Bridge, Kingwood. G. Day, Whitehouse Station, engr.

N. J., New Brunswick—May 4, by City Comn., sheet asphalt paving Hale, Suydam, Bristol and Bethany Sts., etc. $76,300. A. Atkinson, New Brunswick, engr. Noted Apr. 22.

Pa., West View (mail Pittsburgh)—May 4, by C. A. McLain, boro secy., Boro Hall, grading, paving, etc. Jamaica Ave. between Harlem and Center Aves. $30,000. Blum, Weldin & Co., 417 Grant St., Pittsburgh, engrs.

Delaware—May 26, by State Hy. Dept., Dover, grading, etc., 3 mi. Kitts Hammock Rd., Contr. 65; grading and concrete paving 3 mi. Delmar Toward Columbia, Contr. CS51, 0.85 mi. Seaford Cut Off, Contr. CS52 and 0.4 mi. Summit Bridge Approaches, Contr. CN19D; adv. E. N.-R. Apr. 29.

Maryland — May 11, by State Roads Comn., Baltimore graveling 2 mi. Contr. Sm-35, St. Marys Co.; concrete paving 1 mi. Contr. F-91 Frederick Co., 1 mi. Contr. Cl-57 Carroll Co., 1.38 mi. Contr. B-73 Baltimore Co., 1 mi. Contr. Q-37 Queen Annes Co., and 0.5 mi. Contr. D-42 Dorchester Co. J. N. Mackall, chn.; adv. E. N.-R. Apr. 29.

Md., Baltimore—May 5, by Bd. Awards, concrete paving 9,840 sq.yd. roads listed on Contr. 338. S. Purcell, highways engr.

W. Va., Glenville — May 12, by Court, Gilmer Co., grading, etc., 7.4 mi. Third Run-Tanner-Mill Seat Rd., Project 5; Sinking Creek Bridge, 80 ft. span pony truss steel and concrete on Project 4, Project 6, both in De Kalb Dist. N. E. Rymer, clk.

W. Va., Huntington—May 3, by Bd. City Comrs., grading, curbing and paving Simms St. from Priddie St. to Maupin Rd., Illinois St. from Auburn Rd. to Riverside Dr., 22nd St. from Washington Ave. to Riverside Dr., Crane Ave. from Apple to High Sts., and Ohio Ave. from 28th St. to Stanley Lane. A. B. Maupin, city engr.

Fla., Tampa — May 4, by City Comn., granite curbing 2½ in. asphalt block on 6 in. rock or shell paving 9,000 sq.ft. portion 15th and 20th Aves., Impvt. 172 and 176, $28,000; also 2½ in. asphalt block on 6 in. shell or rock paving 36,750 sq.yd. Central Ave. from Buffalo Ave. to Broad St., Impvt. 189, $80,000. R. D. Marton, City Hall, engr.

Ala., Birmingham—May 6, by City Comn., asphalt on concrete paving 2 blocks St., 60 ft., $26,250; 4 blocks 3rd St. W., 40 ft., $23,250; 6 blocks 7th St. and 4th Terrace, 50 ft., $24,500; 5 blocks 9th Court, 40 ft., $23,560; 2 blocks 3rd Ave. S., 40 ft., $13,500; 8 blocks 4th Ave. S., 50 ft., $86,650; 3 blocks 7th Ave. S., 40 ft., $15,960; 4 blocks 10th Ave. W., 40 ft., $20,150.

Mississippi — May 12, by Bd. Supervs. Holmes Co. (Lexington) and Madison Co. (Canton) at office Chancery Clerk, Canton, improving 2.582 mi. Federal Aid Project 72-A, 2.76 acres clearing and grubbing, 2,793 cu.yd. excav., 48,422 cu.yd. borrow, 1,785 lb. reinforcing, 5,991 cu.yd. gravel 1 mi. haul, 5,991 units overhaul, also bridges over 20 ft. span and one 120 ft. steel span bridge, 347,556 ft. creosoted and 16,182 ft. untreated timber, 15,532 ft. creosoted and 1,000 ft. untreated piling, 11,500 lb. reinforcing, etc. H. C. Dietzer, Jackson, engr.

Miss., Corinth—May 3, by Bd. Supervs. Alcorn Co. at office Chancery Clerk, improving Corinth-Ashland Highway, Sect. A, 16.044 acres clearing and grubbing, 28,861 cu.yd. excav., 28,916 yd. borrow, Sect. B, 20.394 acres clearing and grubbing, 55,113 cu.yd. earth and 1,000 cu.yd. rock excav., 20,544 cu.yd. borrow, etc. also 1,767 ft. 18 in. vitr. clay pipe, 600 cu.yd. concrete gravel, 300 cu.yd. concrete sand, 45,437 lb. reinforcing, 192,437 ft. creosoted and 7,172 ft. untreated timber, 8,192 ft. creosoted piling, 850 bbl. Portland cement. H. C. Dietzer, Jackson, engr.

Miss., Lucedale—May 4 by Bd. Supervs. George Co., improving 7.351 mi. Lucedale-Pascagoula Highway, 10 acres clearing and grubbing, 21,386 cu.yd. excav., 4,364 yd. borrow, 881 ft. 15- to 24-in. vitr. clay pipe, 3,640 yd. sand clay 1 mi. haul, 875 units ½ mi. overhaul.

Louisiana — May 4, by State Hy. Comn., Baton Rouge, graveling 8.88 mi. Campti-Coushatta Highway, Federal Aid Project 158-B, and State Project 158-C, Red River Parish. W. B. Robert, highway engr.

Ky., Paintsville—May 3, by City, concrete or rock asphalt on concrete surfacing various streets. J. C. Newman, city clk.

Ohio—Apr. 30, by Dept. Hys. and Pub. Wks., Columbus, grading and concrete widening 3.557 mi. Sect. "1-1" Cleveland-Sandusky Rd., Erie Co. $60,949. G. F. Schlesinger, highway comr.

O., Cleveland—May 5, by City, grading, curbing and paving Linn Dr. N. E., East 104th, East 117th and West 148th Sts., Ardmore Ave. S. W., Benwood Ave. S. E., Botany Ave. S. W., Cardwell Ave. S. E., Craven Ave. S. E., Crestline Ave. S. W., Glen Ave. N. E., Hale Ave. S. W., Minor Ave. S. E., Nelson Ave. S. E. and Prince Ave. S. E. $400,000. R. Hoffman, City Hall, engr.

O., Noblesville—May 7, by Hamilton Co., grading and tar bound macadam repaving 17,900 sq.yd. Eagle Creek Rd. from Harrison to Thompson Rds. $53,115. E. A. Gast, Court House, engr.

O., St. Clairsville — May 3, by Comrs. Belmont Co., traffic-bound macadam paving, etc. Egypt-North Rd. $55,429. E. M. Shirk, St. Clairsville, engr.

O., St. Clairsville — May 10, by Comrs. Belmont Co., concrete, macadam or amesite paving, etc., Martins Ferry-Mt. Pleasant Rd., concrete $91,000 and macadam $77,000. E. M. Shirk, St. Clairsville, engr.

Ind., Angola—May 3, by Comrs. Steuben Co., constructing Freeman McCord, et al., Rd., Otsego Twp., $7,329; William Compton, et al., Rd., Steuben Twp., $8,460; John A. Taylor Rd., $13,356, and Earl Northam et al., Rd., $3,912, both in Fremont Twp. F. O. Watkins, aud.

Mich., Saginaw—May 1, by Saginaw Co., stone macadam paving 1½ mi. A. D. Rd. 104, and 1½ mi. Rd. 103.

Illinois—May 5, by Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete, bituminous filled vitr. brick or bituminous concrete with or without binder course paving 6.71 mi. Route 2, Sect. 53 De Witt Co., 0.26 mi. Route 2, Sect. 73-X La Salle Co., 4.28 mi. Route 3, Sect. 5 Cass Co. 2.57 mi. Route 3, Sect. 16 Whiteside Co., 1.09 mi. Route 3, Sect. 33 Warren Co., 1.31 mi. Route 3, Sect. 49 Greene Co., 1.5 mi. Route 3, Sect. 63 Madison Co., 0.68 mi. Route 5, Sect. 29-X, 0.9 mi. Route 5, Sect. 29-Y, and 0.65 mi. Route 5, Sect. 30-Y, all Jo Daviess Co., 1.33 mi. Route 9, Sect. 27 Fulton Co., 6.01 mi. Route 13, Sect. 15 Jackson and Perry Counties, 5.91 mi. Route 13, Sect. 16 Perry Co., 0.49 mi. Route 18, Sect. 22-X La Salle Co., 3.2 mi. Route 20, Sect. 14 McHenry Co., 0.13 mi. Route 25, Sect. 16-X Coles Co., 8.71 mi. Route 31, Sect. 18 Fulton Co., 4.86 mi. Route 36, Sect. 17 Pike Co., all 18 ft. wide, and 1 mi. Route 46, Sect. 464-M Cook Co., 20 ft.; grading 0.32 mi. Route 5, Sects. 5 and 29 Jo Daviess Co., 2.01 mi. Route 13, Sect. 16-A Perry Co., and 2.96 mi. Sect. 1 Copperas Creek Lock-Banner Rd. F. T. Sheets, ch. engr.

Ill., Chicago—May 6 (extended date), by H. E. Wallace, clk. Sanitary Dist. of Chicago, 910 South Michigan Ave., approaches for bascule bridge over main drainage channel Sanitary Dist. of Chicago, at South Cicero Ave. $150,000. Noted Apr. 8.

Ill., Galesburg — May 5, by Bd. Local Impvts., grading, curbing and brick on concrete paving 5 blocks Kellogg St., 36 ft. A. L. Richey, city clk. Noted Feb. 4.

Ill., Springfield — May 3, by Bd. Local Impvts., S. A. Ballard, pres., grading, curbing and brick on concrete paving 3 blocks Jefferson St., 40 ft. $30,000. W. Seele, City Hall, engr. Noted Jan. 14.

Ill., Elmhurst—May 3, by Village Clerk, macadam paving various streets. $182,000. E. Hancock Eng. Co., 2047 Ogden Ave., Chicago, engrs.

Wisconsin — May 7, by State Hy. Dept., Office 1, Capitol Annex, Madison, grading, concrete paving, etc. 46,173 sq.yd. Federal Aid Project 387-A, Dane Co., and 42,502 sq.yd. sta. 208 to 400, Sect. B. J. T. Donaghey, ch. engr.

Ia., Ames—May 3, by P. P. Hopkins, city mgr., curbing, guttering and concrete, brick or asphalt paving 70,000 sq.yd. various streets. $200,000. F. P. Hopkins, Ames, engr. Noted Feb. 25.

Ia., Jefferson — May 4, at office Auditor Greene Co., grading, gravel surfacing, etc. several miles various roads. J. L. Lindsay, Jefferson, co. engr.

Ia., Ft. Dodge — May 4, by City Clerk, resurfacing old wearing surface with warrenite, bitulithic, natural lake asphalt, oil sheet asphalt, or vibrolithic 6,600 sq.yd. 1st Ave., 4th and 6th Sts. C. H. Reynolds, City Hall, engr.

Ia., Toledo—May 5, by G. A. Benson, city clk., grading, curbing, guttering and 6 in. gravel, crushed stone, 4 in. asphaltic maca-

Streets and Roads (Continued)

dam, 2 in. asphaltic macadam or 6 in. concrete paving 65,286 sq.yd. various streets. $185,000. M. Tschirgi & Sons, 712 Amer. Trust Bldg., Cedar Rapids, engr.

North Dakota — May 11, by State Hy. Dept. and Comrs. Burleigh Co., Court House, grading, etc. 18 mi. Federal Aid Project 306-D. C. Christensen, highway, comr.

North Dakota — May 11, by State Hy. Dept. and Comrs. Burleigh Co., Court House Bismarck, grading, etc. 7.95 mi. Federal Aid Project 174-B, and 1.994 mi. Federal Aid Project 174-C. C. Christensen, highway comr.

North Dakota — May 12, by State Hy. Dept. and Comrs. Stutsman Co., Jamestown, **(F. A. P. means Federal Aid Project)**, grading, etc. 2.716 mi. F.A.P. 313-A, 7 mi. F.A.P. 306-C, and 11.362 mi. F.A.P. 279-B. C. Christensen, highway comr.

North Dakota — May 12, by State Hy. Dept. and Comrs. Stutsman Co., Court House, Jamestown, grading, etc. 9.925 mi. Federal Aid Project 313-B. C. Christensen, highway comr.

North Dakota — May 13, by State Hy. Dept. and Comrs. LaMoure Co., at Court House, LaMoure, **(F. A. P. means Federal Aid Project)**, 5.023 mi. F. A. P. 140, and 7.74 mi. F. A. P. 297-B; also gravel surfacing, etc., 12.029 mi. F. A. P. 148. C. Christensen, highway comr.

North Dakota — May 13, by State Hy. Dept. and Comrs. La Moure Co., Court House La Moure, grading, etc. 10.035 mi. Federal Aid Project 298-A. C. Christensen, highway comr.

North Dakota — May 14, by State Hy. Dept. and Comrs. Griggs Co., Court House Cooperstown, grading, etc. 12 mi. Federal Aid Project 323-B. C. Christensen, highway comr.

Wyoming — May 4, by State Hy. Dept., Cheyenne, grading, graveling, etc. 13,400 cu. yd. Sect. "A" Federal Aid Project 165, Platte Co., $105,120; grading, constructing 2 pile bridges and graveling, etc. 126,000 cu.yd. Sect. "B" Federal Aid Project 180, Unita Co., $63,000; also grading, two 24 ft. I-beam spans, etc. on 9.8 mi. Sect. "B" Federal Aid Project 156, Albany Co., $27,000; all 24 ft. G. Manfull, Laramie, engr.

Missouri — May 7, by State Hy. Dept., Jefferson City, grading, graveling and concrete paving 980,631 sq.yd. various roads in Bates, Boone, Carroll, Cass, Cole, Franklin, Green, Jasper, Lincoln, Linn, Macon, Montfomery, Oregon, Pettis, Pike, Randolph, Ralls, Saline, St. Charles and Vernon Counties. B. H. Piepmeier, highway engr. Noted Apr. 8.

Mo., St. Louis—May 4, by Bd. Pub. Serv., 208 City Hall, asphaltic concrete paving, etc. 4,220 sq.yd. Clifton St. $25,000, 770 sq.yd. Cora St. $6,320, 1,305 sq.yd. Farlin St. $8,800, 3,650 sq.yd. Osceola St. $21,200; asphalt paving, etc. 3,095 sq.yd. Garfield Ave. $20,200, 7,805 sq.yd. Garfield Ave. between Prairie and Sarah Sts. $28,520, 4,610 sq.yd. Harney St. $33,520, 3,150 sq.yd. Magnolia St. $23,720; Warrenite bitulithic concrete paving, etc. 9,555 sq.yd. Connecticut St. $41,320, and 13,275 sq.yd. Wyoming St. $54,000; brick paving, etc. 2,645 sq.yd. Thrush St., $19,200; and 1,285 ft. 12- to 36-in. vitr. clay sewers in Sect. "C" North Baden Sewer Dist., $11,320. W. W. Horner, 300 City Hall, engr.

Texas — May 13, by H. Moseley, chn. State Hy. Comn., Austin, grading and oridging 4.87 mi. Highway 26-A, State Aid Project 653, $30,000; also 3.522 mi. Highway 64, State Aid Project 648, $25,000, both Henderson Co., 26 ft. C. R. Newton, Rusk, resident engr.

Tex., Cleburne — May 7, by J. Hughes, city secy., paving West Wellinghan St. from North Main to Grandbury Sts., East Wellinghan St. from North Main to North Anglin Sts., Buffalo St. from West Henderson to Wellinghan Sts., South Walnut St. from West 2nd St. to Old Meridian Rd., West Heard St. from Buffalo to Grandbury Sts., Warhulle St. from Mill to Grandbury Sts., and Mill St. from West Chambers to Harrell Sts. $40,000.

Tex., Decatur—May 10, by S. M. Ward, judge Wise Co., grading and bridging 7.765 mi. Highway 39, State Aid Project 667, 26 ft. $56,000. H. R. Hayes, Decatur, co. engr.

Okla., Hollis — May 3, by J. G. White, mayor, grading and concrete paving 10,400 sq.yd. Main St. and Harmon Ave. $31,700. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Okla., Rush Springs — May 4, by B. A. Parrish, city clk., grading, curbing and concrete paving 6,950 sq.yd. Blakeley Ave. $29,756. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Tulsa—May 7, by R. Garbett, city auditor, grading and concrete paving 7,140 sq.yd. Dist. 717 $25,370, 6,100 sq.yd. Dist. 712 $25,000, 6,200 sq.yd. Dist. 714 $27,400, and 6,000 sq.yd. Dist. 715, $25,000; grading and sheet asphalt paving 5,200 sq.yd. Dist. 713 $26,210 and 4,900 sq.yd. Dist. 716 $28,440. C. Schultz, City Hall, engr.

Colorado — May 5, by State Hy. Dept., Denver, clay and sand sub-grade treating 20.62 mi. Federal Aid Project 287-A, Constr. Div. 2, Morgan Co.; also 5.409 mi. Federal Aid Projects 288-A and B, Paving Div. 1 and 2, Logan and Washington Counties. L. D. Blauvelt, highway engr.

Idaho—May 5, by Comr. Pub. Wks., Office Comrs., Banncock Co., Pocatello, crushed rock or gravel surfacing, etc., 56,204 cu.yd. Federal Aid Project 112-A. P. B. Wilson, Boise, dist. engr.

Idaho—May 6, by Comrs. Pub. Wks., c/o Comrs. Bear Lake Co., Paris, improving Federal Aid Project 96-B, Old Oregon Trail Highway, 62,355 cu.yd. earth, 8,944 cu.yd. solid and 6,727 cu.yd. loose rock excav., 17,236 cu.yd. crushed rock or gravel surfacing, etc. P. B. Wilson, Pocatello, dist. engr.

Idaho—May 8, by Comr. Pub. Wks., Office Comrs. Butte Co., Arco, grading 21.33 mi. Federal Aid Project 117-A, and 15.06 mi. Federal Aid Project 118-A, 111,666 cu. yd. earth, 9,184 cu.yd. solid and 5,676 cu.yd. loose rock excav., 34,367 sta.yd. overhaul, 26,837 lb. reinforcing, etc. A. N. Ashline, Shoshone, dist. engr.

Idaho, Idaho Falls — May 4, at office Comrs. Bonneville Co., improving 7.72 mi. Yellowstone Park Highway, Federal Aid Project 142-B and 21-B, 45,848 cu.yd. earth, 188 cu.yd. solid and 38 cu.yd. loose rock excav., 81,074 sq.yd. paving, etc. P. B. Wilson, Sonnenkalb Bldg., Pocatello, dist. engr.

Washington — May 11, by State Hy. Dept., Olympia, crushed gravel resurfacing 6,300 cu.yd. State Rd. 9, Clallam Co.; crushed gravel surfacing 9,390 cu.yd. State Rd. 12, Cowlitz Co.; grading, etc., 2.4 mi. State Rd. 3, Yakima Co., and 6.1 mi. State Rd. 1, King and Snohomish Counties; also overhead crossing on State Rd. 9 between Chimacum Rd. and Port Townsend, Jefferson Co. J. W. Hoover, Olympia, ch. engr.

California—May 10, by State Hy. Comn., Sacramento, grading, and gravel or stone surfacing, etc., 6,000 cu.yd. roadway between Sportsman Hall and Riverton, El Dorado Co. R. M. Morton, Forum Bldg., Sacramento, engr.

Calif., San Diego — May 10, by Common Council, improving Newton Ave., 197,577 sq.ft. 5 in. concrete paving, 1,443 sq.ft. concrete sidewalk, 162 lin.ft. concrete curbing, etc. F. A. Rhodes, city engr. Noted Feb. 26.

Calif., Santa Rosa — May 12, by W. W. Felt, Jr., clk., Sonoma Co., improving Dutton Ave. in 3rd Supervisorial Dist., 2,100 cu.yd. unclassified excav., 1,600 cu.yd. concrete or 103,104 sq.yd. 2 in. Willite on 3 in. asphaltic concrete paving, etc. $25,000 or more. E. A. Peugh, Santa Rosa, co. surv.

Ont., Toronto — May 4, by T. Foster, mayor, City Hall, asphalt on concrete paving Lascelles Blvd., Turnberry Ave., River, St. Pauls, and Tracy Sts.; asphaltic concrete surfacing Sparkhall Ave.; bitulithic on concrete paving Maughan Crescent; bitulithic concrete resurfacing Langley Ave.; brick block on concrete paving Park Rd.; grading Folkes St., concrete curbing Maughan Crescent and Tracy St.; and concrete sidewalks on Brookdale, Edna, Glenlake, Glenview, Hemlock, Leona, Northland, Ridge, Roselawn, St. Clair, St. Clements and Turnberry Aves., Edith and Glenmanor Drives, Gerrard St. and Heath Crescent Sts., Highfield Rd. and Lascelles Blvd. $200,000.

Saskatchewan—May 5, by H. S. Carpenter, deputy minister, paving 8 mi. road from Hazenmore to Aneroid, Project 41-B, and 12 mi. road in Superb north and west, for Provincial Government. Dept. Hys., Regina. $55,000.

B. C., South Vancouver—See "Contracts Awarded."

Que., Pointe Clair — May 3, by O. Beaudoin, city engr., macadam paving 1 mi. Victoria and Coolbreeze Aves. $50,000.

Bids Received

Massachusetts—Dept. Pub. Wks., Boston, Apr. 20, bituminous macadam paving 10,700 ft. Highway in Northfield, from Kelleher Corp., Turners Falls $77,146, 24,125 ft. in Bernardston, and 21,566 ft. in Monson, from New Haven Road Constr. Co., 70 Hill St., New Haven, $152,283 and $159,283 respectively, and 12,200 ft. in Saugus and Revere, from M. McDonough Co., Swampscott, $132,459; rein.-con. paving 1,200 ft. in Swampscott, from Simpson Bros. Corp., 77 Summer St., Boston $11,685, and 5,284 ft. in Agawam, from D. O'Connell Sons, 480 Hampden St., Holyoke $72,031; bituminous concrete paving 4,400 ft. in Nantucket, from M. F. Roache, 35 Spring St., East Bridgewater, $16,497; bridging, macadam and concrete paving 1,050 ft. in Billerica, from J. P. Kennedy Constr. Co., 6 Beacon St., Boston, $40,277; 2 bridges and approaches on section of Highway in Amherst, from P. Keating, Fitchburg, $16,996. Noted Apr. 15.

Mass., Roxbury (Boston P. O.)—Dept. Pub. Wks., Boston, Apr. 20, recut granite block paving Blue Hill Ave., here, from A. De Stefano, 10 Everett St., Boston, $3,218. Noted Apr. 15.

New York—A. W. Brandt, comr. Highways, Albany, Apr. 20, **(e. e. means engineers estimate)**, improving 2.39 mi. Repair Contr. 1496, Highways 5026 and 5094, Steuben Co., and 2.45 mi. Repair Contr. 1502, Highway 5282, Seneca Co., from H. W. Patterson, Hornell, $93,882 and $74,577 respectively, e. e. $120,588 and $89,859 respectively; 2.91 mi. Repair Contr. 1501, Highway 5208, Chemung Co., from E. C. Jones, Salamanca, $114,988, e. e. $146,443; 4.8 mi. Repair Contr. 1495, Highway 5460, Saratoga Co., from Lane Constr. Corp., 37 Colony St., Meriden, Conn., $136,368, e. e. $179,024; 4.07 mi. Repair Contr. 3143, Parts 1 and 2, Highways 250 and 271, Oneida Co., from Hogeboom & Campfield, Inc., Kingston, $238,184, e. e. $327,088; 0.87 mi. Highway 1562-A, Albany Co., from T. S. O'Brien, Albany, $33,170, e. e. $43,930; 2.44 mi. Repair Contr. 1497, Highway 5255, Steuben Co., from W. L. Collins, Hornell, $119,331, e. e. $155,871; 4.54 mi. Highway 8244, Part 2, Albany Co., from Belmar Contg. Co., Inc., Proctor Bldg., Troy, $184,825, e. e. $296,400; 3.07 mi. Repair Contr. 1499, Highway 624, Jefferson Co., from Miller, Hayes & Gillette Constr. Co., Watertown, $115,571, e. e. $137,901; 3.69 mi. Repair Contr. 1493, Highways 337, 9022-9023, Madison Co., from C. D. Murray, Syracuse, $149,111, e. e. $185,576; 3.45 mi. Repair Contr. 1491, Big Tree Highway 36, Erie Co., from John Irwin Contg. Co., Inc., Lockport, $160,205, e. e. $242,628; 3.3 mi. Repair Contr. 1492, Hughsonville Highway 222, Dutchess Co., from J. L. Dugan, Inc., Newburgh, $158,374, e. e. $200,382; 2.37 mi. Repair Contr. 1493, Part 1, Highway 188, Ontario Co., from Di Pillo & Balisteri Constr. Co., Geneva, $124,645, e. e. $152,975; 6 mi. Repair Contr. 1494, Part 2, Highway 5267, Jefferson Co., from Lord, Coopy & Furnia, Inc., Willsboro, $284,867, e. e. $338,044, and 9.62 mi. Highway 1685-A, Washington Co., from S. B. Van Wagenen, Inc., Kingston, $303,231, e. e. $397,201. Noted Apr. 1.

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, Apr. 15, from Leonard Paving Co., 233 Bway., New York City, granite paving Waverly Ave., $18,094; from F. Persicano 350 Fulton St., grading and sidewalks on 55th St. $1,481 and grading East 31st St. $2,618, from A. E. Castle, 3313 Tilden Ave., grading Caton Pl. $1,993 and East 34th St., $1,543, from F. De Vito, 158 17th St. Georgia Ave. $3,550, Avenue S $1,514, 9th Ave. $1,197, 21st Ave. $2,115, from W. J. McHale, 1250 Jefferson Ave., Rockaway Parkway $4,725, Snyder Ave. $10,071, West 10th St. $3,089 and East 31st $2,058; from B. Turecamo Contg. Co., 8706 16th Ave., grading and asphalt paving Colonial Rd., $8,142, East 77th St. $5,425, Avenue S $17,709, West 9th St. $7,337, 10th Ave. $10,601, 24th Ave. $9,432, 59th St. $6,600, 63rd St. $7,590, 72nd St. $6,647, East 31st St. $8,131, 21st Ave. $6,905, and 72nd St. $8,278, from Uvalde Asphalt Paving Co., 1 Bway., New York City, East 34th St. $4,905, East 34th St. $3,389, Livonia Ave. $12,706, Pennsylvania Ave. $62,136, Riverdale Ave. $2,513, from Cleveland Trinidad Paving Co., Flushing, Hegeman Ave. $4,320, from Borough Asphalt Co., 1301 Metropolitan Ave., Pulaski St. $1,852, from Brooklyn Alcatraz Asphalt Co., Hamilton Ave., 7th Ave. $17,217, 9th Ave. $3,170, 48th St. $6,893, 71st St. $1,957, New York Ave. $8,474, and ½ in. concrete paving Avenue S $17,539. Noted Apr. 15.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, Apr. 20, bituminous macadam paving St. Marks Pl. from Hamilton to Westervelt Aves., from Vanbro Constr. Corp., 24 Elizabeth St., West New Brighton, $18,510. Noted Apr. 15.

Pennsylvania — State Hy. Dept., Harrisburg, Apr. 20 **(R. means Route and A. means Application)**, one course rein.-con. paving 26,874 ft. R. 181, A. 2729, Westmoreland Co., from Georges Constr. Co., Box 338, Uniontown, $194,408, 8,000 ft. R. 362, A. 3916, Montgomery Co., and 37,282 ft. Rs. 382-310, As. 3825-3981, Berks Co., from Ambler-Davis Co., Harrison Bldg., Phila., $85,674 and $293,442 respectively, 25,899 ft. R. 214, As. 3957 and 4082, Clarion Co., from W. C. Quick & Co., Brookville, $176,545, 4,355 ft. A. 3581, Allegheny Co., from A. G. Rothey, Elizabeth, $44,698, 22,631 ft. R. 522, As. 3744 and 3745, Franklin Co., from Britti & Lozzi, 35 North Foundry St., Hagerstown, Md.,

Streets and Roads (Continued)

J. J. McHugh, 1617 Race St., Foust St. \$925. Ritner and 12th Sts. \$1,256, to Curtis Bros., State and Unruh Sts., Philmont St. \$7,572, to J. F. Malloy, 15 East Mermaid Lane, Sydenham and 65th Sts. \$5,047; to Barber Asphalt Co., 239 North 30th St., asphalt paving Durham St. \$5,262, Limekiln Pike, \$12,196, Ogontz St. \$71,921, East School Lane \$4,583, Upland Way \$23,935, Webb St. \$3,179, Wyncote St. \$12,897, 52nd St. \$19,989, 66th St. \$15,797, 67th St. (shoulders) \$7,510, asphalt repaving Carlisle, Pernon, McClellan, Mountain, Pierce and Sigel Sts. \$43,996, Haverford St. \$163,428, and Randolph St. \$4,473; to Union Paving Co., 30th and Locust Sts., asphalt paving Erie St. \$175,993, asphalt repaving Allegheny St. and track area \$51,178, Lehigh St. \$92,290, Christian St. \$8,325, Edgemont St. \$4,973, Lambert, Marvine, Olive and Opal Sts. \$7,887; to Eastern Asphalt Co., Penna Bldg., asphalt paving Kingsessing St. \$50,499, Roanoke St. \$6,145, Wakeling St. \$6,713, 17th St. \$5,898, 61st St. \$2,900, and Chester St. \$2,262, to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., Spencer St. \$16,806, Stokley St. \$26,758, 17th St. \$7,343; to United Paving Co., Real Estate Trust Bldg., redressed granite block repaving Bridge St. \$67,360, Stewart, Stillman, Taylor and Turner Sts. \$18,750, 24th St. \$6,831, concrete paving roadway at Commercial Museum near 34th and Spruce Sts. \$7,172; and to Municipal Paving Co., 702 Catharine St., redressed granite block repaving Richmond St. \$68,117. Grand total \$181,695. Noted Apr. 22.

Pa., Pittsburgh—City, **(e. e. means engrs. est.)**, to T. Cronin Co., South 18th St., repaving Laremir Ave. \$26,946 e. e. \$30,000, Brighton Rd. \$31,188 e. e. \$35,000, Murray Ave. \$45,130 e. e. \$50,000, and reconstructing Braddock Ave. \$35,039 e. e. \$40,800; and to Booth & Flinn Ltd., Forbes St., California Ave. \$38,332 e. e. \$40,000, Arlington Ave. \$72,787 e. e. \$75,000, and Forbes St. \$121,482 e. e. \$125,000. Grand total \$370,924.

Pa., Pittsburgh — Controller Allegheny Co., concrete paving 14,610 ft. McKeesport Blvd., Contr. 1, to Frazier & Mansfield, McKeesport, \$328,376, engrs. est. \$350,000; and reconstructing, widening and curve elimination on Fox Chapel Rd. (near Aspinwall) to S. Baumgardeer, Germania Bldg., \$65,434, engrs. est. \$70,000. Noted Mar. 25.

Maryland—State Rds. Comn., Baltimore, concrete paving 2.05 mi. Contr. G-34, Garrett Co., to T. D. Claiborne Co., Garrett Bldg., Baltimore \$44,232, 1 mi. Contr. Cl-56, Carroll Co., to Hoffinberger & Mause, Myersville \$17,737, and 1.35 mi. Contr. Q-36, Queen Annes Co., to J. K. Flick, Sudlersville, \$19,938; concrete shoulders and resurfacing 4.51 mi. Contr. Wi-6-B, Wicomico Co., to Hanneman-Burroughs Co., Salisbury, \$75,172; concrete shoulders on 2.4 mi. Contr. M-6-A, Montgomery Co., to M. J. Grove Lime Co., Lime Kiln, \$16,450; graveling 1.69 mi. Contr. C-23, Calvert Co., to E. R. Jarvoe, Mechanicsville, \$22,987. Grand total \$196,516. Noted Apr. 22.

Maryland—State Rds. Comn., Baltimore, concrete paving 1.2 mi. Contr. Wo-46, Worcester Co., to Hanneman-Burroughs Co., Salisbury, \$31,770, 2.35 mi. Contr. D-29, Dorchester Co., to Layfield & Waller, Quantico, \$39,391, and 1.43 mi. Contr. CL-60, Carroll Co., to Adams & Marino, Old Town Bank Bldg., Baltimore, \$46,149; concrete shoulders on 6.5 mi. Contr. A-2-C, Allegany Co., to S. T. Brotemarkle, Cumberland, \$43,510, 5 mi. Contr. K-1-A, Kent Co., to Kaufman Constr. Co., Denton, \$25,536, and 5 mi. Contr. B-20-C, Baltimore Co., to H. T. Campbell Sons Co., Towson, \$38,950. Grand total \$225,306. Noted Apr. 15.

Md., Baltimore — Bd. Awards, concrete paving footways as listed in Footway Contr. 91, to P. Lavezza, 911 Eastern Ave., \$27,249. Noted Apr. 22.

Md., Baltimore — Bd. Awards, concrete paving 19,630 sq.yd. Contr. 327, to J. J. Bresnan, Woodland Ave., \$54,201; sheet asphalt paving 12,860 sq.yd. Contr. 328, to Amer. Paving Co., Montebello Ave. \$52,085, and 26,000 sq.yd. Contr. 326, to P. Flanigan & Son, Harford Rd. and Baltimore & Ohio Ry. tracks \$96,736; also paving alleys listed in Contr. 119, to J. Lavezza, 911 Eastern Ave., \$22,497. Grand total \$225,519. Noted Apr. 22.

North Carolina—State Hy. Dept., Raleigh, grading and plain concrete paving 0.84 mi. Project 774, Watauga Co., to Foster Constr. Co., North Wilkesboro, \$29,207; clearing, grubbing and plain concrete paving, etc., 7.67 mi. Project 112, Camden Co., to Lawson & Brooke, Norfolk, Va., \$234,235, and 9.66 mi. Project 3450, Granville Co., to Gregory & Weisiger, Pittsboro, \$252,612; grading, and sand asphalt paving 13.73 mi. Project 550, Hoke Co., to R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, \$266,402; clearing, grubbing and grading, etc., 7.6 mi. Project 574, Moore Co., to J. K. Cecil, Lexington, \$39,247; clearing, grubbing, grading and small rein.-con. structures on Project 685, Catarrus Co., to Atlantic Paving Co., Salisbury, \$84,149. Grand total \$905,852. Noted Apr. 15.

N. C., Durham — Grading, paving, etc., various streets, to F. J. McGuire, Bankers Trust Bldg., Norfolk, Va., \$859,854. Noted Apr. 1.

Fla., Brooksville—Paving various streets, to Bennett & Crane, Brooksville, \$272,122.

La., Baton Rouge — Curbing, guttering and warrenite on 5 in. concrete paving 12,540 sq.yd. Gracie, Claria, Gayoso, Spain, and Highland Sts., etc., to Southern Roads Co., Baton Rouge, \$41,700; also sewers in McCall and Lake Hill Dist., to C. B. Stewart, Baton Rouge, \$10,700. Noted Apr. 8 under "Sewers."

Kentucky—State Hy. Dept., Frankfort, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)**, grading 7.9 mi. Sligo-Bedford Rd., F. A. P. 145-A Trimble Co., and 11.9 mi. same road Sect. B, to H. S. Tye & Son, Cannonsburg, \$37,962 and \$78,435 respectively, 9.8 mi. Jackson-Hazard Rd., F. A. P. 138-B Breathitt Co., and 4.6 mi. Salyersville-Royalton Rd., S. A. P. 28-B, Magoffin Co., to H. H. Miller, Jackson, \$162,471 and \$57,414 respectively, 5.9 mi. Owensboro-Howesville Rd., F. A. P. 105-B, Daviess Co., to J. C. Ellis, Owensboro, \$48,111; waterbound macadam surfacing 3.7 mi. Georgetown-Paris Rd., S. A. P. 32-A, Scott Co., to J. S. Lancaster, Georgetown, \$34,599; rein.-con. surfacing 11.6 mi. Mayesville-Germantown Rd., S. A. P. 57-A, Mason Co., to E. K. Newell, Mayesville, \$318,837. Grand total \$737,829. Noted Mar. 11 and 18.

O., Canton—Bd. Control, asphalt surfacing 9th St. N. W. from McKinley Ave. N. W., to Fulton Rd. N. W., to Wise Bros. Co., 1126 11th St. N. W., \$35,793. Engrs. est. \$35,000. Noted Dec. 17.

O., Canton — Brick paving Henry Ave. S. W. from Navarre Rd. to 20th St. S. W., to Canton Sand & Gravel Co., 1300 Clarendon Ave. S. W., \$63,346, engrs. est. \$65,000 and approximately 1 mi. Gibbs Ave. N. E. from 12th to 19th Sts., to Burd Constr. Co., 1043 Spring Ave. N. E., \$58,972 engrs. est. \$60,000; also asphalt paving Warner Rd. S. E. from Tuscarawas St. E. to Shorrick Rd. S. E., to General Asphalt Paving Co., 312 3rd St. S. W., \$63,591 engrs. est. \$65,000. Grand total \$185,909.

O., Cleveland—Cuyahoga Co., to Winterbottom-Connelly Co., 1426 West 25th St., bituminous concrete paving Chardon Rd. \$6,165, Kinsman Rd. \$5,078, South Miles St. \$8,034, and St. Clair Rd. \$3,240; to Bituminous Constr. Co., Marshall Bldg., Lorain Rd. \$4,263, and York Rd. \$12,693. Grand total \$39,473.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, to Regenhardt Constr. Co., Cape Girardeau, Mo., concrete paving Route 36, Sect. 14 \$75,236, Route 36, Sect. 15 and \$75,554, Route 36, Sect. 16 \$65,682, all Pike Co., to G. A. Hackett, Decatur, Route 26, Sect. 6, Jersey and Greene Counties \$118,000, to Powers-Thompson Constr. Co., Joliet, Route 22, Sect. 14-S, Will Co. \$22,472, and to J. J. Dunnegan Constr. Co., Park Ridge, Route 19, Sect. 86-W-2, Cook Co. \$11,966; to Cameron, Joyce & Co., Keokuk, Ia., grading Route 39, Sects. 1-A and 2-A, McLean Co. \$31,034, and to Smith Bros. Constr. Co., Decatur, Route 38, Sect. 3-A, Jersey Co. \$32,042. Grand total \$431,996. Noted Mar. 4 and 18 and Apr. 15.

Ill., Chicago—Bd. Local Impvts., Room 207, City Hall, grading, curbing, guttering, sewers and asphalt on 6 in. concrete paving Barry Ave. from North Kedzie to North Central Park Aves., North Lotus Ave. from West North to Wabansia Aves., and Potomac Ave. from North Levergne to North Laramie Aves., to White Paving Co., 1735 Fullerton Ave., West 105th Pl. from Prospect Ave. to South Wood St., Winchester Ave., South Monroe and South Lincoln Sts. from West 79th to West 83rd Sts., West 80th St. from South Hermitage Ave. to South Robey St., West 81st and 82nd Sts. from South Wood to South Robey Sts. and West 83rd St. from South Lincoln to South Robey Sts., grading, curbing, guttering, sewers and asphalt on 8 in. concrete paving South California Ave. from West 31st to West 35th Sts., grading, curbing, guttering, sewers and reshaping present macadam to serve as foundation for paving with 2 in. asphaltic concrete West 103rd St. from South Wood St. to Longwood Dr., to Amer. Asphalt Paving Co., grading, curbing, guttering, sewers and asphalt on 6 in. concrete paving East 41st St. from Ellis to Oakenwald Aves., to R. F. Conway Co., 844 Rush St.; grading, sewers and granite asphaltic macadam on 10 in. limestone paving West 104th St. from South Hoyne Ave. to South Leavitt St., to Smith & Brown Co., 111 West Washington St.; grading, curbing, guttering, sewers and 10 in. concrete paving West 63rd St. from South Cicero to South Central Aves., to Hedges Constr. Co., 64 West Randolph St.; grading, curbing and 8 in. concrete paving North Robey St. from Pratt to Devon Aves. to J. A. Ross & Co., 4561 Armitage Ave., Wabansia Ave. from North Lamon to North Laramine Ave., to J. A. McGarry & Co., 4556 Patterson St., West 70th St. from South Irving to South Western Aves.; South Irving, South Oakley and South Claremont Aves. from West 69th to West 71st St. to Central Paving Co., 179 West Washington St., North Lamon Ave. from Sunnyside to Pensacola Aves., Lacrosse Ave. from Sunnyside to Montrose Aves., Laporte Ave. from Chicago & Northwestern R.R. right-of-way to Montrose Ave., North Lavergne Ave. from Montrose to Pensacola Aves. and Montrose Ave. from Milwaukee to North Cicero Aves. to J. A. Sackley Co., 4608 Belmont Ave., grading, curbing, guttering, sewers and asphalt on 6 in. concrete paving Thorndale Ave. from North Mason to Markham Aves., North Mason Ave. from Milwaukee to Elston Aves. and Markham Ave. from Milwaukee to Elston Aves. to Contracting & Material Co., 844 Rush St. Noted Apr. 1.

Wisconsin—State Hy. Dept., Madison, to Simpson-Parker Co., Appleton, improving South Germantown-West Bend Rd., Federal Aid Project 352-B, Washington Co., 31,595 cu.yd. earth excav. at \$0.65 per cu.yd., 750 cu.yd. loose rock excav. \$1.75, 991 cu.yd. solid rock excav. \$3.25, 1,184 cu.yd. borrow \$0.80 and 49,787 sq.yd. concrete paving \$1.92, etc., total \$141,061.

Ia., Dubuque—Dubuque Co., to Ulrich & Paley, Dubuque, improving Federal Aid Project 17, 11,395 cu.yd. stone 1 mi. haul at \$2.14 per cu.yd., 2,400 cu.yd. \$1.90, and 1,550 cu.yd. \$1.75, to Interstate Constr. Co., Swea City, 19,785 cu.yd. gravel 1 mi. haul at \$0.39, 285,800 units ½ mi. haul \$0.079, 4,300 cu.yd. stripping \$0.23 and 75 cu.yd. \$0.25.

Ia., Marquoketa — Jackson Co., grading 11.791 mi. Primary Rd. 61, Federal Aid Project 143, to E. Sask, Cedar Rapids, \$72,908. Noted Apr. 22.

Ia., Marshalltown—Marshall Co., improving 19.098 mi. Projects 6 and 14, 140,356 cu.yd. excav., 67,000 sta.yd. overhaul, etc., to Fox Constr. Co., Forest City, \$48,784. Noted Mar. 4.

Minn., Anoka — To Fielding & Shepley, 216 University Ave., St. Paul, improving streets, about 27,000 sq.yd. lake asphalt on 6 in. concrete paving at \$2.45 per sq.yd., and 10,500 ft. concrete curbing \$0.70. Noted Feb. 4.

Kan., Perry — Concrete paving various streets, to P. Baldwin, Perry, \$25,827. Noted Apr. 8.

Neb., Holdrege — For 7 in. rein.-con. paving, etc. 13.270 yd. various streets, to Roberts Constr. Co., 415 1st Natl. Bank Bldg., Lincoln, \$36,508.

N. D., Rolla—J. H. Penny, aud. Rolette Co., grading, etc., 59,453 cu.yd. Federal Aid Project 263-E, to J. Coghlan, St. Johns, \$26,603.

Missouri—State Hy. Dept., Jefferson City, to M. E. Gillioz, Monett, 30 ft. grading 4.142 mi. Clever-Nixa Rd., Christian Co. \$22,970, and 4.369 mi. same road \$52,911, to J. M. Roark & Sons, Anderson, 3.75 mi. Kansas City-Joplin Rd., Bates Co. \$24,242, and 4.887 mi. same road \$25,985, to Winstead & Gunter, Siloam Springs, Ark., 3.553 mi. Kansas City-Joplin Rd., Bates Co. \$12,761, and 4.072 mi. same road \$18,176, to Carte-Harlin Constr. Co., West Plains, 4.886 mi. road from Cabool east, Texas Co. \$42,965, to L. W. Spengler, 6015 Forest St., Kansas City, 0.734 mi. Boonville-Bellair Rd., Cooper Co. \$6,532, to A. W. Mosley, 2006 East 40th St., Kansas City, 4.136 mi. road from Warrensburg north, Johnson Co. \$35,389, and to F. Kersting Co., Jefferson City, 1.764 mi. road from Brule, Iron Co. \$42,560; to Hannibal Constr. Co., Hannibal, 18 ft. graveling 4.034 mi. road from Canton north, Lewis Co. \$30,775, 4.253 mi. same road \$42,382, to J. R. Burner, Oblong, Ill., 4.243 mi. Fairplay-Humansville Rd., Polk Co. \$24,459, to H. A. Worman, Pittsfield, Ill., 4.318 mi. Brunswick-Keytesville Rd., Charlton Co. \$6,362, and 2.06 mi. same road \$7,361, and to C. K. Kost, Joplin, 3.769 mi. Pomona-West Plains Rd. \$10,636, 3.802 mi. same road \$11,707, 4.109 mi. road from West Plains west \$8,462, and 3.563 mi. Pomona-West Plains Rd. \$13,938, all foregoing in Howell Co., to W. P. McGeorge & Co., Pine Bluff, Ark., grading and 18 ft. concrete paving 3.191 mi. road from Fulton north, Callaway Co. 57,201, 3.199 mi. same road \$65,363, and 4.445 mi. road from Washington south Franklin Co. \$87,890, to C. H. Atkinson Paving Co., Watertown S. D., 1.095 mi. Stanberry-Albany Rd., Gentry Co. \$21,392, and to Du Bois & Co., Pittsburg, Kan., 1.12 mi. Lamar-Route 1, Barton Co. \$30,521;

Streets and Roads (Continued)

$154,879, 2,598 ft. A. 3995, Tioga Co., from Montour Constr. Co., Box 71, Montoursville, $21,613, 15,286 ft. R. 296, A. 4000, Susquehanna Co., from Freeland Constr. Co., 104 South Locust St., Hazleton, $116,664, and 7,234 ft. R. 129, Dauphin Co., from Swanger-Fackler Constr. Co., Inc., 2nd and Canal Sts., Lebanon, $88,087; also grading, etc., 11,466 ft. R. 33, Mifflin Co., from Shamrock Contg. Co., Box 13, St. Davids, $108,437. Noted Apr. 1.

Maryland—State Rds. Comn., Baltimore, Apr. 20, concrete paving 1 mi. Contr. Wi-35, Wicomico Co., and concrete shoulders on 4 mi. Contr. Wo-5-B, Worcester Co., from P. D. Phillips & Bros. Salisbury $19,-295 and $13,774 respectively; concrete paving 1 mi. Contr. CI-26 Carroll Co., from Poffinberger & Mause, Myersville $21,337, 1.27 mi. Contr. H-47, Harford Co., from G. A. Atkinson, Port Deposit $43,044, and 1 mi. Contr. H-49, Harford Co., from Ward & O'Connell, New Amsterdam Bldg., Baltimore, $21,813; concrete shoulders on 3.35 mi. Contr. M-10-C, Montgomery Co., from F. D. Carozza, Garrett Bldg., Baltimore $26,663, 4.95 mi. Contr. AB-1-B, Anne Arundel Co., from Development & Constr. Co., Amer. Bldg., Baltimore $34,638. Noted Apr. 8.

Maryland — State Roads Comn., Baltimore, Apr. 20, concrete shoulders and resurfacing 4.72 mi. Contr. P-3-B, Prince Georges Co., from Cranford Co., 3056 K St., Wash., D. C., $67,986. Noted Apr. 8.

Md., Baltimore — Bd. Awards, Apr. 21, concrete paving 15,300 sq.yd. Contr. 331, from Tydings, Marine Co., 236 Albemarle St., $42,671; sheet asphalt paving 18,800 sq.yd. Contr. 330, from Baltimore Asphalt Block & Tile Co., 1320 North Monroe St. $65,653, and 16,700 sq.yd. Contr. 329, from Amer. Paving Co., Montebello Ave. $62,673. Noted Apr. 15.

South Carolina—State Hy. Dept., Columbia, sand clay surfacing 6.8 mi. State Route 311, State Project 614-A, from J. L. Carroll, 1011 Barnwell St., Columbia $35,-839, and 3.6 mi. State Route 46, State Project 566-B, from Mayfield Constr. Co., Denmark, $18,507, both Berkeley Co. 5.2 mi. Highway 22, State Project 627-B, Fairfield Co., from W. B. Boyle Co., Sumter $69,315; also bridge on latter road, from R. W. Curtis, Lynchburg, Va., $17,285.

Florida — State Rd. Dept., Tallahassee, Apr. 14, clearing, grubbing, grading, paving, ect., 8.73 mi. road in St. Lucie Co., and 8.48 mi. road St. Lucie and Martin Counties, from Boone & Wester, St. Augustine, $54,245 and $55,996 respectively; paving on 8 in. compacted rock base 11.82 mi. road in Hamilton Co., from Duval Eng. & Contg. Co., 216 Dyal Upchurch Bldg., Jacksonville, $219,436, and 10.2 mi. road in Putnam Co., from T. B. Gillespie, Palatka, $190,-437; paving, etc., 5.16 mi. road in Polk Co., from W. P. McDonald Constr. Co., Lakeland, sheet asphalt $233,609, and bituminous concrete $237,424; also 10.2 mi. road in Bay Co., from Noonan-Lawrence, Box 1071, Pensacola, concrete $327,235, from Hodgson & Jones, 1st Natl. Bank Bldg., Montgomery, Ala., bituminous concrete $385,359. Noted Mar. 25.

Louisiana — State Hy. Comn., Baton Rouge, Apr. 15, paving with **(a)** Alabama rock asphalt **(b)** Uvalde rock asphalt **(c)** Warrenite bitulithic **(d)** sheet asphalt **(e)** rein.-con. **(f)** gravel 3.97 mi. West End-Carrolton Avenue Highway (new Basin Canal Shell Rd.) Orleans Parish, from Holland Constr. Co., Memphis, Tenn., **(a)** $154,152, from Southern Uvalde Rock asphalt Co., 3905 Gravier St., New Orleans **(b)** $160,647, from Lang & Craven, 2500 Poydras St., New Orleans, **(c)** $163,136 and **(e)** $164,706 7.13 mi. Shreveport Marshall Highway, Caddo Parish, from Southern Roads Co., Whitney Bldg., New Orleans, **(c)** $306,485, from Meyer Greenwald Constr. Co., Monroe, **(d)** $286,298, from J. J. Harrison, Oklahoma City, Okla., **(e)** $231,264; 7.49 mi. Monroe-Winnsboro Highway, Richland Parish, from Alexandria Constr. Co., **(f)** $77,739; 7.47 mi. Liconia-Opelousas Highway, St. Landry Parish, from Mumford Phillips, Baton Rouge, **(f)** $128,208; 6.65 mi. Campti-Coushatta Highway, Natchitoches Parish, from Hankins Bros., Natchitoches, **(f)** $43,042. Noted Mar. 25.

O., Akron—W. F. Peters, dir. Pub. Serv., Apr. 12, **(e. e. means engrs. est.)**, from J. Hurak, 617 Brown St., grading, walks and cindering 2,000 cu.yd. Stanton Ave. et al, $17,945 e. e. $23,500; from Columbus Asphalt Paving Co., 304 Buckeye Bldg., grading, curbing, walks and vitr. brick paving 13,260 sq.yd. Inman St., $81,054 e. e. $101,-200; 5,650 sq.yd. Gertrude St. et al, $36,151 e. e. $44,400, grading, curbing, walks, ornamental lighting system and vitr. brick paving 7,700 sq.yd. Sunset View and Stadelman Aves., $57,047 e. e. $72,000, and 6,055 sq. yd. Bacon Ave., $31,400 e. e. $38,900. Noted Mar. 11.

O., Cleveland—Comrs. Cuyahoga Co., Apr. 14, grading and travelbound macadam paving 3,000 sq.yd. River Rd. 3, from Chapman & Harris, 3305 Hyde Park Ave. $71,429.

O., Upper Arlington (Columbus P. O.)—N. W. Copeland, village clk., Apr. 7, grading, curbing, guttering, sheet asphalt paving 46,005 5 sq.yd. etc. Baldridge, Suffolk, Twesbury, Beverly, Wickford, Chatfield, Berkshire, Collinswood, Andover, Coventry, Henthorne, Parkway, Kent, York and Wilshore Rds., from B. F. Patterson, 1214 Neil Ave., Columbus, $247,737. Noted Apr. 1.

Wis., Milwaukee—Dept. Pub. Wks., from F. Doherty Co., 37th St. and Fond du Lac Ave., grading Auer Ave. $5,911, from Froemming Bros., 1326 Humboldt Ave., Bonny Pl. $5,647, and 38th St. $5,119, from Bartel-Mauer Co., 925 Muskego Ave., 41st St. $14,631, from Schroeder Constr. Co., 1009 Lake Blvd., 44th St. $10,095, from R. H. Gumz, 831 13th Ave., 59th St. $3,355, and 36th St. $10,634, also granite block paving Jackson St. $33,849; from J. Bluhm & Son, 1298 Achilles Pl., vibrolithic concrete paving 40th St. $9,601, and Hadley St. $7,576, from A. E. Retzlaff, 868 Island Ave., 51st St. $6,862, 57th St. $10,389, 60th St. $4,817, and 12th St. $2,074, from Reid & Mahlberg, 818 Lake Blvd., Galena St. $8,300, and from Milwaukee General Constr. Co., 427 Mitchell St., 34th St. $3,922, and 14th Ave. $3,180.

Wis., Kaukauna—L. C. Wolf, city clk., Apr. 20., vibrolithic concrete paving 11,577 sq.yd. Taylor and Depot Sts., from J. McCarthy Constr. Co., Kaukauna, $37,000. Noted Apr. 8.

Minn., St. Paul — A. E. Eggert, city purch. agt., Apr. 13, paving Dale St. between Como Ave. and Wheelock Parkway, 11,878 sq.yd. 2.5 in. brick and 2,449 sq.yd. tarvia or penetration asphalt, from Thornton Bros., 318 Endicott Bldg., $46,731. Noted Apr. 8.

North Dakota — State Hy. Dept., and Comrs. Adams Co., Hettinger, grading, Apr. 13 55,977 cu.yd. Federal Aid Project 243-C, from Shelp & Malloy, Lemmon, S. D., $25,-919. Noted Apr. 1.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, making plans grading, brick or concrete paving alleys in City Blocks 368, 677, 1082, 1315, 1966, 2442, 1505, 2633, 2810, 2917, 4082, 4487 S, 4822, 5120, 5321, 5464 and 5830. Concrete $72,230 and brick $107,700. W. W. Horner, 300 City Hall, engr.

Tex., Abilene—Taylor Co. grading and bridging 5.739 mi. Highway 1, Federal Aid Project 468-B, Unit 1, from Sullivan & Davis, Granger, approximately $25,000. Noted Apr. 8.

Colorado—State Hy. Dept., Denver, Apr. 15, paving 4.795 mi. State Highway 1, Federal Aid Project 275-C, El Paso Co., from J. L. Busselle & Co., 203 Swope Ave., Colorado Springs, $186,585. Noted Apr. 8.

Colo., Denver—Dept. Impvts. & Parks, from New Mexico Constr. Co., 4015 Galapago St., asphaltic concrete paving East Denver Paving Dist. 20 $39,721, and Dist. 21 $38,014; from Western Paving Constr. Co., 5230 Washington St., Dist. 22 $35,512, Dist. 25 $36,350, and Dist. 26 $38,707.

California—State Hy. Dept., Sacramento, Apr. 12, grading, surfacing, etc., 4.5 mi. road between Dog Creek and Lamoine, Shasta Co., from Pollock Co., Forum Bldg., Sacramento, $272,598; also concrete shoulders and asphaltic concrete surfacing 7.8 mi. road from Modesto to Stanislaus River, Stanislaus Co., from Valley Paving & Constr. Co., Visalia, $163,481.

Calif., Los Angeles—Bd. Supervs. Los Angeles Co., Apr. 5, from Griffith Co., Railway Bldg., improving portion of California Ave., 4,898 cu.yd. excav. at $0.50 per cu.yd., 148,952 sq.ft. Willite surfacing $0.09, 148,-952 sq.ft. asphaltic concrete base $0.085, etc., total $66,465. Noted Mar. 11.

Calif., Los Angeles—From G. H. Oswald, 366 East 56th St., improving Neptune Ave., 50,621 lin.ft. curbing at $0.45 per lin.ft., 114 lin.ft. guttering $0.22, 7,303 combination guttering $0.23, 300,175 sq.ft. sidewalk $0.125, 166,351 sq.ft. 6 in. asphaltic concrete paving $0.215, 1,152,418 sq. ft. 7 in. concrete base $0.20, and 1,325 sq. ft. 8 in. concrete base $0.22, etc., total $404,479. Engrs. est. 468,214. Noted Apr. 22.

Calif., San Diego—Common Council, Apr. 12, from Griffith Co., 25 14th St., improving Dale St. between Beech and Juniper Sts., 149,996 sq.ft. 1½ in. asphaltic concrete on 5 in. concrete paving at $0.229 per sq.ft., 81 sq.ft. concrete sidewalk $0.22, 42 lin.ft. concrete curbing $0.65, etc., total $36,005; from R. E. Hazard Contg. Co., 2548 Kettner Blvd., Oregon St. between University and El Cajon Aves., 120,551 sq.ft. 1½ in. asphaltic concrete on 5 in. concrete paving $0.225, 422 sq.ft. concrete sidewalk $0.22, 37 lin.ft. concrete curbing $0.75, etc., total $29,507; also from G. R. Daley, 4430 Boundary St., Collier, Arizona Sts., [illegible] 227,367 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete paving $0.219, 8,467 sq.ft. concrete sidewalk $0.22, 300 lin.ft. concrete curbing $0.65, etc., total $61,496. Noted Apr. 1.

Calif., Santa Rosa—Supervs. Sonoma Co., Apr. 13, from A. Teichert & Sons, 184 37th St., Sacramento, improving Petaluma-Sonoma Rd., 7,600 cu.yd. excav. at $0.14 per cu.yd., 260,386 sq.ft. 5 in. Willite asphaltic concrete paving $0.214, etc., total $65,540.

Contracts Awarded

R. I., Warwick — Metropolitan Park Comn., Providence, graveling 1.6 mi. Narragansett Parkway from Spring Green Rd. to Bayside Ave., here, to Warren Landscape & Eng. Co., Warwick Neck St., $23,602. Noted Apr. 15.

Connecticut — J. A. Macdonald, Comr. State Hy. Dept., Hartford, grading 4,775 ft. highway and grade crossing elimination over New York, New Haven and Hartford R.R. tracks, etc. at Saybrook Junction, to L. E. McLaughlin, 200 Jefferson Ave., New London, $53,614; rein.-con. paving 10,320 ft. Willimantic Putnam Rd. in Chaplin, to J. Arborio, 59 Center St., New Haven $137,-141, and 28,719 ft. New Haven Middletown Turnpike, in Middletown, to F. Arrigoni & Sons, Inc., 624 Main St., Middletown; $214,647. Grand total $405,402. Noted Apr. 15.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., relocating curb on easterly side Nagle and St. Nicholas Aves., etc., to Valatia Constr. Co., 15 East 40th St., $2,393; grading and sheet asphalt repaving Bway., to Gaffney Constr. Corp., Grand Central Terminal Bldg., $133,-837; grading, curbing and granite block paving East 138th St., to St. George Paving Co., 90 West St. $10,775, and Madison St., to Casper Helbock Co., Inc., 633 Wales Ave., $186,971; grading, curbing and flagging Payson Ave., to T. DiRoma, 33 Evelyn Pl., $38,419. Grand total $352,395. Noted Apr. 22.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sheet asphalt repaving Prospect Ave. from Boston Rd. to Crotona Park West, and Claremont Parkway from 3rd to Fulton Aves., to Interboro Asphalt Paving Co., 2306 Creston Ave., $12,778 and $15,771 respectively. Noted Apr. 22.

N. Y., Poughkeepsie — Bd. Pub. Wks., Eastman Park Mansion, grading, curbing and 2 in. sheet asphalt on concrete paving 27,600 sq.yd. Verazzana Blvd., Mack Rd., Grand, Worral, Hoffman, Fulton and Fairview Aves., Baker, Grubb, Lent and High Sts., to Spoor-Lasher Co., 54 Market St., $139,840. Noted Apr. 1.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, granite block paving Delafield Pl., etc., to J. Johnson Sons, 455 Bway., West New Brighton, $20,-904; bituminous concrete repaving Morningstar Rd., etc., to J. E. Donovan Paving Co., 2205 Richmond Terrace, $42,664; and repaving Hylan Blvd., to Vanbro Constr. Corp., 24 Elizabeth St., West New Brighton, $121,997. Grand total $185,565. Noted Apr. 8 and 15.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete paving Tompkins St., to J. E. Donovan Paving Co., Richmond Terrace, Port Richmond, $30,883; and concrete paving in yard of garbage destructor at West New Brighton, to Richmond Paving Co., Ft. Wadsworth, $3,419. Noted Apr. 22.

N. J., Elizabeth — Elizabeth Paving Co., grading, curbing, sidewalks and asphaltic concrete paving Grier Ave. $14,282, Amity St. $24,103, Essex and Middlesex Turnpike $17,416, 1st St. $27,986, Keats Ave. $20,390 and Clark Ave. $14,508; to Standard Bitulithic Co., 50 Church St., New York City, Colonia Rd. $22,023, and West Jersey St. $29,528; to J. B. Gilligan-Casey Co., 972 Broad St., Newark, Sayre St. $24,800, Pennsylvania Ave. $62,687, and 3rd Ave. $28,705. Grand total $286,427.

N. J., Red Bank—Monmouth Co. (Freeholder) reconstructing 3 mi. Red Bank-Homedell Rd., to P. Camillo & Co., 335 Spring St., $148,191. Noted Mar. 4.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, to D. Duffin, 5101 Roosevelt Blvd., grading Anchor St. $730, Brill St. $965, and Summerdale St. $8,985, to Gudnecht & Cullison, Torresdale and Robbins Sts., Bleigh and Whitaker Sts. $2,094, and Levick St. $3,086, to T. P. Lee, 5629 Cherry St., Callowhill and Girard Sts. $21,135, to Dewees Bros., 7200 Shelbourne St., Hunting Park, Cayauga, Claridge, Dungan, Glendale, Howland, Luzerne, Markland, Maywood, N. Neilson and Ormond Sts. $57,267, Frontenac and Loretta Sts. $4,401, to D. C. Ratzell, Limekiln Pike and Haines St., Cornelius, Herman and Tulpehocken Sts. $12,025, to

Streets and Roads (Continued)

to J. Kesl & Sons, Edwardsville, Ill., grading and 9 ft. concrete paving 2.924 mi. Millard-La Plata Rd., Adair Co. $19,042, 2.879 mi. same road $18,808, 3.92 mi. La Plata-Macon Rd., Macon Co. $35,234, 3.796 mi. same road $35,931, 4.17 mi. road from La Plata south, Macon Co. $27,275, and 4.445 mi. roads from La Plata north and south $32,985, all in Macon Co., to W. C. Meneely & Co., Decatur, Ill., 2.695 mi. Lineville-Mercer Rd. $18,825, 2.476 6mi. same road $17,-137, and 4.919 mi. Mercer-Princeton Rd. $33,811, all in Mercer Co.; to Maney Bros. & Co., Oklahoma City, Okla., 30 ft. grading 4.949 mi. road from Ava east $57,844, and 4.583 mi. road from Ava north $38,063, both in Douglas Co., 4.025 mi. Iowa State Line-Bethany Rd., Harrison Co. $50,776, and 4.053 mi. same road $47,922; and to A. P. Poirot, Belleville, Ill., 18 ft. chats surfacing 2.419 mi. road from Ash Grove west, Greene Co. $38,813. Grand total $1,165,316. Noted Apr. 15.

Tex., Waco—Paving Webster Ave. from 3rd to 11th Sts., to Standard Paving Co., 524 Provident Bldg., $51,171.

Okla., Oklahoma City—Concrete widening 5,510 sq.yd. South Robinson St., to M. A. Swatek, 519 West Main St., $30,897. Engrs. est. $32,164. Noted Jan. 7.

Colorado—State Hy. Dept., Denver, paving approaches to bridge north of Las Animas, in Bent Co., also paving 0.3598 mi. State Highway 6, Federal Aid Project 169-R and 290-B, to F. C. Dreher, 1634 Madison St., Denver, $23,933; grading 7.565 mi. Federal Aid Project 287-B, Weld Co., also 324 ft. timber bridge and graded approaches over Middle Bijous Creek, State Aid Project 569, Arapahoe Co., to A. R. Mackey, Sterling, $115,730 and $13,202 respectively; paving 6.662 mi. State Highway 1, Federal Aid Project 2-R, Div. 4, Las Animas Co., also 0.3229 mi. State Highway 6, Federal Aid Project 272-C, Pueblo Co., to Strange & McQuire Co., Box 622, Pueblo, $301,484 and $10,243 respectively. Grand total $463,692. Noted Apr. 22.

Wash., Bellingham—Whatcom Co., completing paving Wickersham Rd., to L. Romano & Co., 123 23rd Ave. S., Seattle, $26,500.

Wash., Tacoma—Bd. Pub. Wks., widening South Tacoma Way, doubling present pavement, to Albertson, Cornell Bros. & Walsh, 2 South Tacoma St., Tacoma, $59,-493. Engrs. est. $75,849.

Calif., Los Angeles—Bd. Pub. Wks., curbing, guttering, paving, etc., 217,352 sq.ft. portion Sayre Ave., to E. L. Fleming, 144 South Brand Blvd., $120,487. Noted Apr. 8.

Calif., Los Angeles—Los Angeles Co., curbing guttering, grading and 6- to 8-in. concrete paving, etc. Ocean and College Aves. from Gallatin and College Rd. to north city limits of Long Beach, to T. W. Oglesby, 423 Edgewood Rd., Santa Ana, $102,862. Noted Apr. 15.

Calif., Oakland—Supervs. Alameda Co., grading, graveling, 2 in. Warrenite on 6 in. concrete surfacing, etc., Washington Ave. between San Leandro and San Lorenzo, to Heafey-Moore-McNair, 344 High St., $109,331. Noted Apr. 1.

Buildings—Commercial

Proposed Work

Mass., Boston—APARTMENT—J. Arnello, 96 Porter St., East Boston, having preliminary plans prepared by B. C. Gallo, 42 Maverick Sq., East Boston, 3 or 4 story and basement, brick, Chelsea St. $150,000-$200,000.

Mass., Boston—HOSPITAL—Commonwealth of Massachusetts, Health Dept., State House, plans Massachusetts Sanatarium, for cancer patients. $500,000. Engineer and architect not selected.

Mass., Chelsea (br. Boston)—APARTMENT—Levin & Gold, 5 Everett Ave., having sketches made by Schein & Levine, 448 Bway., 3 story and basement, brick, Chester St. and Shurtleff Ave. $200,000.

Mass., Everett (br. Boston)—BANK—First Natl. Bank, 453 Bway., having preliminary plans prepared by Hutchins & French, 11 Beacon St., Boston, 2 story and basement, rein.-con.., brick and stone, Bway. and Cottage St. $150,000 or more.

Mass., Fitchburg—THEATRE—E. L. Snider, 18 Tremont St., Boston, plans brick and steel, 2,500 seating capacity, Main St. $250,000. Engineer and architect not selected.

Mass., Roxbury (Boston P. O.)—APARTMENT—A. Shapiro, 73 Cornhill, Boston, having plans prepared by Silverman, Brown & Heenan, 51 Cornhill, Boston, 5 story and basement, Maple St., here, $200,000.

Conn., Hartford—OFFICE—Hartford City Gas Light Co., 565 Main St., plans brick and steel office, Pearl St. $250,000.

N. Y., Albany—GARAGE, SERVICE and REPAIR STATION—Owner, c/o O. Goldschlag, engr. and archt., 1482 Bway., New York City, having plans prepared 2 story, rein.-con., brick and steel, plain foundation, Hamilton St., here. $150,000.

N. Y., Brooklyn—APARTMENT—Asen & Levinson, c/o Shampan & Shampan, engrs. and archts., 188 Montague St., having plans prepared 5 story, brick, steel and stone, plain foundation, Bedford Ave. and Keap St. $250,000.

N. Y., Brooklyn—HOSPITAL—Wykoff Heights Hospital, St. Nicholas Ave., having plans prepared by Crow, Lewis & Wick, engrs. and archts., 200 5th Ave., New York City, 4 story, 100 x 150 ft., brick, steel and stone addition, plain foundation, St. Nicholas Ave.

N. Y., Brooklyn—THEATRE, STORE and OFFICE—Loews Inc., 1560 Bway., New York City, having plans prepared by T. W. Lamb, engr. and archt., 644 8th Ave., New York City, brick, steel and stone, plain foundation, 8th and 9th Sts. from 5th to 6th Aves., here.

N. Y., Far Rockaway—APARTMENT—A. Baylies, engr. and archt., Bible House, New York City, preparing plans brick, steel and stone, plain foundation, here. $500,000. Owner's name withheld.

N. Y., New York—APARTMENTS—C. Cioffi, c/o L. Pisciotta, engr. and archt., 563 East Tremont Ave., having plans prepared two 6 story, brick, steel and stone, plain foundations, Cypress Ave. $200,000 each.

N. Y., New York—APARTMENT—Sonai Realty Corp., c/o C. M. Meyers, engr. and archt., 31 Union Sq., having plans prepared 5 story, brick, steel and stone, plain foundation, Manor Ave. $150,000.

N. Y., New York—CLUBHOUSE—New York Athletic Club, R. M. Thompson, chn. building com., 6 East 43rd St., having plans prepared by York & Sawyer, engrs. and archts., 100 East 42nd St., 25 story, brick, steel and stone, plain foundation, 58th St. and 7th Ave. $7,500,000. Noted May 21, 1925.

N. Y., Syracuse—HOSPITAL—State Hospital Comn., Albany, plans state psychiatric hospital, at Syracuse University, here.

N. J., Atlantic City—HOTEL—Sea Side Hotel, c/o F. P. Cooks Sons, having revised plans prepared by Lockwood, Greene & Co., engrs. and archts., 24 Federal St., Boston, Mass., 13 story, brick, steel and stone, plain foundation, Pennsylvania Ave. near Boardwalk. Noted Mar. 25.

N. J., East Orange—DEPARTMENT STORE—R. H. Muir & Co., having plans prepared by Starrett & Van Vleck, engrs. and archts., 393 7th Ave., New York City, altering brick, steel and stone, plain foundation, Prospect and Main Sts., here. $200,-000.

Pa., Phila.—BUS GARAGE—Phila. Rapid Transit Co., 8th and Dauphin Sts., soon lets contract 1 story, 150 x 340 ft., rein.-con. and brick, plain foundation, Comly and Penn Sts. Private plans.

Md., Baltimore—BANK—Federal Reserve Bank of Richmond, South and Redwood Sts., having plans prepared by Parker, Thomas & Rice, Union Trust Bldg., 5 story and basement, 100 x 125 ft., steel and limestone, plain foundation, Lexington and Calvert Sts. $1,000,000. Noted Mar. 25.

S. C., Charleston—BARRACKS—Citadel Military Academy & State of South Carolina, having plans prepared by Lockwood, Greene & Co., Spartanburg, barracks building. $300,000.

Fla., De Land—HOTEL—C. McFerrin & Associates, having plans prepared by J. W. Carpenter, De Land, Hotel Casa McFerrin, near County Club. $1,000,000.

Ala., Sheffield—CITY HALL—City having plans prepared by H. J. Frahn & D. L. Sigmon, Sheffield, city hall. $150,000 bonds sold.

Miss., Gulfport—CLUBHOUSE—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

La., New Orleans—HOSPITAL—Andry & Feitel, archts., Carondelet Bldg., soon take bids 2 story and basement, brick and concrete addition, pile foundation, Annunciation St. between Matia and Melpome Sts., for Soniat Mercy Hospital. $255,000. Noted Feb. 11.

La., New Orleans—HOTEL—Gulfport Com. headed by A. L. Jagoe, vice-pres. First Natl. Bank, Gulfport, Miss., et al., plan Charles H. Markham Hotel 8 story, brick, steel and stone on 123 x 265 ft. site, Herald Sq., 23d Ave. and 14th St. $1,000,-000.

La., Ruston—OFFICE—T. L. James Co., Ruston, soon takes bids 5 story, 40 x 100 ft., rein.-con., brick and steel Mississippi St. Witt, Seibert & Halsey, Texarkana Ark., engr.

La., Shreveport—COURTHOUSE—Caddo Parish, J. M. Sentell, pres. Police Jury, takes bids after June 1, 8 story and basement, 120 x 220 ft., rein.-con., brick and stone plain foundation. $1,000,000. E. F. Neild, 1206 City Bank Bldg., archt. Noted Mar. 18.

Tenn., Memphis—BANK and OFFICE—Liberty Savings Bank & Trust Co., Porter Bldg., having plans prepared by Jones & Furbringer, Porter Bldg., and Regan & Weller, Memphis, and takes bids about May 1, 6 story, 43 x 114 ft. with 26 x 50 ft. addition, concrete, brick, marble, bronze and terra cotta, South 2nd St. $250,000. Noted Oct. 8.

O., Cleveland—APARTMENT HOTEL—M. B. Abrams, Society for Savings Bldg., plans 3 story, brick, Lake Shore Blvd. $200,000. Engineer and architect not selected.

O., Cleveland—COMMERCIAL THEATRE and GYMNASIUM—S. J. A. Kamensky, c/o F. J. Hronek, archt., 344-3 East 110th St., having plans prepared 3 story and basement, 70x220 ft., brick, East 131st St. and Melzer Ave. $150,000.

O., Cleveland—COMMUNITY CENTER—Phillis Wheatley Assn., J. Hunter, secy., 2269 East 40th St., having plans prepared by Hubbell & Benes, 4500 Euclid Ave., 10 story, brick, steel and concrete, Cedar Ave. $500,000.

O., Dayton—HOTEL—Caldwell & Son, Indianapolis, purchased site and having plans prepared by F. J. Hughes Co., U. B. Bldg., Dayton, 13 to 15 story, 180 x 200 ft., brick, rein.-con. and stone plain foundation, Main and 1st Sts., here. $2,000,000.

O., Lorain—LODGE and DANCE HALL—Trustees Lorain Moose Lodge take bids about May 21, 1 story and basement, 100 x 200 ft. lodge, dance pavilion and bath house, Lake Rd. at edge of Lake Erie. $150,000.

Ind., Ft. Wayne—OFFICE—Ft. Wayne Chamber of Commerce, having plans prepared by G. Mahurin, 501 Lincoln Life Bldg., 4 story and basement, brick and steel office building. $200,000.

Ind., Indianapolis—THEATRE and STORE—O. Markham, 4314 East New York St., having plans prepared 2 story, 82 x 136 ft., brick and steel theatre, incl. 2 stores, 3420-36 North Illinois St. $250,000.

Mich., Birmingham—LIBRARY—Village, having plans prepared by Burrows & Eurich, 415 Brainard St., Detroit, 2 story and basement, rein.-con., brick and steel, plain foundation, Bates St. $150,000.

Mich., Detroit—GARAGE—Detroit Garages, Inc., Elizabeth St., having plans prepared 8 or 9 story, 80 x 100 ft., rein.-con. and brick addition, plain foundation, Elizabeth St. $200,000. Engineer and architect's names withheld.

Mich., Detroit—OFFICE and APARTMENT—Temple Methodist Episcopal Church, West Grand Blvd., having plans prepared by J. Ivan Dise, 324 McKerchey Bldg., 9 story and basement, 74 x 100 ft., rein.-con., brick and stone, plain foundation, West Grand Blvd. $850,000.

Mich., Detroit—THEATRE—Republic Investment Co., H. S. Koppin, 206 East Grand River Ave., had plans prepared by Kohner & Payne, 405 Kresge Bldg., 2 story and basement, 2,500 seating capacity, rein.-con. and brick, plain foundation, Mack and Chalmers Aves. $200,000.

Ill., Chicago—APARTMENT—H. Lanski, 77 West Washington St., had plans prepared by M. L. Bein, 64 West Randolph St. and soon takes bids 3 story and basement, 120 x 200 ft., brick and stone, 5520-5524 Blackstone Ave. $600,000.

Ill., Chicago—APARTMENT—H. Lanski, 77 West Washington St., had plans prepared by M. L. Bein, 64 West Randolph St., and soon takes bids 7 story and basement, 60 x 250 ft., rein.-con., brick and stone, 1148-1152 Sheridan Rd. $750,000.

Ill., Chicago—APARTMENT—Gallup & Joy, archts., 646 North Michigan Ave., takes bids about May 3, 5 story, 72 x 85 ft., rein.-con., brick and steel, 500 Barry St. $250,000. Owner's name withheld.

Ill., Chicago—APARTMENT—F. Becklenberg, 29 South La Salle St., had plans prepared by A. Johnson, archt., 77 West Washington St., and taking bids 13 story and basement, 75 x 135 ft., rein.-con., brick and terra cotta, plain foundation, 442 Wellington Ave. $750,000. R. A. Northquist, 77 West Washington St., engr.

Ill., Chicago—HOSPITAL—Garfield Park Hospital, 3813 West Washington Blvd., having plans prepared by Schmidt, Garden & Martin, 104 South Michigan Ave., 8 story and basement, 75 x 158 ft., rein.-con. and brick, 3821-3825 West Washington Blvd. $650,000.

Wis., Milwaukee—APARTMENT and BUSINESS—Chain Investment Co., c/o Rosman & Wierdsma, archts., 409 Bway., had plans prepared and soon takes bids 8

Buildings—Commercial (Continued)

story and basement, rein.-con., brick and steel, plain foundation, Grand Ave. $600,000.

Wis., Milwaukee — STORAGE — Hansen Storage Co., 134 Jefferson St., having preliminary plans prepared by Brust & Philipp, 405 Bway., 3 story, 102 x 575 ft., rein.-con. and brick, plain foundation, Erie St. $225,000.

Wis., Milwaukee — STORE and APARTMENT — F. Schaetzke, 1385 Lake Ave., had plans prepared by C. J. Keller & Son, 432 Bway., and soon takes bids 5 story and basement, 65 x 141 ft., brick and concrete, plain foundation, Grand Ave. $200,000.

Wis., Rhinelander—HOTEL—C. E. Blodgett, Central Ave., Marshfield, having preliminary plans prepared by Oppenhamer & Obel, Nicollet Bldg., Green Bay, 3 story and basement, 62 x 103 ft., brick and concrete addition, here. $150,000.

Minn., Minneapolis — HOTEL — Calhoun Beach Holding Co., H. S. Goldie, 929 Plymouth Bldg., plans 6 story and basement, rein.-con., brick and stone, West Lake St. and Dean Blvd. $500,000. Magney & Tusler, 126 South 9th St., archts.

Minn., St. Cloud—HOSPITAL—Schmidt, Garden & Martin, archts., 104 South Michigan Ave., take bids about May 15, 6 story, basement and sub-basement, 80 x 500 ft., rein.-con., brick, cut stone and granite hospital, here, for Sisters of Order St. Benedict, St. Joseph. $1,500,000.

Kan., Great Bend — AUDITORIUM — Chamber of Commerce plans 150 x 200 ft. auditorium. $250,000. Engineer and architect not selected.

Kan., Wichita — WAREHOUSE — Sears, Roebuck & Co., Arthington & Homan Sts., Chicago, Ill., plans 4 story and basement, 100 x 275 ft., rein.-con. and brick warehouse, here.

N. D., Minot—THEATRE—Finkelstein & Ruben, 425 Loeb Arcade, Minneapolis, Minn., plans 75 x 140 ft., rein.-con. and brick theatre, here. $250,000. Engineer and architect not announced.

Mo., Kansas City—BANK and OFFICE—City Bank, 1801 Grand Ave., takes bids about May 15, 7 story and basement, 84 x 115 ft., rein.-con., brick and Bedford stone, 18th and Grand Ave. $600,000. Holden, Price & Barnes, 1016 Baltimore Ave., archts. Noted Mar. 11.

Mo., Sedalia—HOTEL—Local Syndicate (forming), c/o Hockenbury System, Inc., 200 North 3rd St., Harrisburg, Pa., having preliminary plans prepared by H. L. Stevens Co., 30 North Michigan Ave., Chicago, Ill., 100 room hotel, here. $300,000.

Ark., Jonesboro—COURTHOUSE, etc.—Bd. Comrs., Craighead Co., E. C. Stack, chn. soon take bids 4 and 6 story and basement, rein.-con., brick and stone courthouse, jail and sheriff's residence. $400,000. J. P. Almand, 11707 Boyle Bldg., Little Rock, archt. Noted Nov. 26.

Tex., Abilene—HOTEL—Abilene Hotel Co., purchased site and plans 10 story, brick, stone, and rein.-con. hotel. $500,000.

Tex., Childress—HOTEL—C. C. Littleton & associates, plan 4 story, 100 x 115 ft., brick, concrete and steel hotel. $150,000.

Tex., Corpus Christi—OFFICE—S. Nixon and associates having plans prepared by Adams & Adams, Builders Exch. Bldg., San Antonio, 8 story and basement, 50 x 100 ft., brick, stone and rein.-con., North Bway. and Leopard Sts. $275,000.

Tex., Ennis—HOME—I. O. O. F. Widows & Orphans Home, c/o E. O. Vestal, secy., North Lexington Blvd., Dallas, purchased site and plans concrete and brick home, here. $155,000. Engineer and architect not selected.

Tex., Houston — FREIGHT DEPOT and WAREHOUSE—J. K. Sconland, div. freight agt. Missouri Kansas & Texas R.R., F. Ringer, ch. engr., St. Louis, Mo., soon lets contract 6 story 191 x 280 ft., rein.-con., steel, brick and tile, with 1 story, 53 x 220 ft., brick, cut stone and terra cotta wing, North Main and Shea Sts., here. $1,000,000. A. L. Sparks, Railway Exch. Bldg., St. Louis, Mo., archt. Noted Apr. 22.

Tex., Houston — GARAGE — M. E. Stewart, 1611 2nd Natl. Bank Bldg., having plans prepared by J. Eberson, 212 East Superior Ave., Chicago, Ill., 5 story, 52 x 100 ft., rein.-con., brick and tile, Milan St. between Rusk and Walker Aves. $175,000.

Tex., Olmito (mail Brownsville)—HOTEL—See "Unclassified."

Tex., San Angelo—HOSPITAL—Kansas City, Mexico & Orient Ry. Co., Wichita, Kan., W. L. Churchill, ch. engr., plans 50 room hospital, here. $150,000. Private plans.

Tex., San Antonio—CLUB—San Antonio Casino-Club, 303 Alamo Bldg., had plans prepared by Kelwood Co., engrs. and archts., c/o Travis Bldg., and takes competitive bids after May 15, 6 story and basement, rein.-con. and brick, plain foundation, Crockett and Presa Sts. $250,000. Noted July 2.

Tex., Texarkana — AUDITORIUM—City c/o W. W. Shaw, clk., having plans prepared by Will, Serbert & Helsey, 807 Texarkana Natl. Bank Bldg., brick, stone and rein.-con., East 3rd and Walnut Sts. $225,000.

Okla., Pawhuska—EXCHANGE—Southwestern Bell Telephone Co., 3rd Ave. and Bway., Oklahoma City, having preliminary plans prepared 4 story and basement, 50 x 140 ft., brick, plain foundation, Osage St., here. $180,000. R. J. Benzel, Pioneer Bldg., Oklahoma City, engr.

Calif., Pasadena — HOTEL — Maryland Hotel Co., East Colorado St., plans fireproof hotel. $1,000,000 or more.

Calif., Redlands — CLUB — Y. M. C. A. plans fireproof club. $150,000.

Calif., San Diego—STORE, OFFICE, etc. —Monarch Drug Co., 971 5th Ave., plans fireproof, 5th Ave. and Bway. $150,000.

Calif., San Francisco — APARTMENT — A. H. Larson, archt., 447 Sutter St., made preliminary plans 7 story and basement, rein.-con., in Richmond Dist. $150,000 or more. Owner's name withheld.

Calif., San Francisco—ARMORY—State, rejected bids new structural steel roof and minor additions, here. Noted Apr. 8.

Calif., San Leandro — CITY HALL — Defeated $175,000 bonds, city hall. Noted Mar. 25.

Calif., Santa Monica—HOTEL—Miramar Hotel Co. having plans prepared by W. W. Ache, 1616 4th Ave., Los Angeles (central unit), 10 story and basement, 125 x 130 ft., rein.-con., Ocean Ave. $1,250,000.

B. C., Vancouver — THEATRE — J. F. Langer (Langer Theatre Circuit), 553 Granville St., had plans prepared by Orpheum Theatre Architects, 112 South State St., Chicago, Ill., 2 story, 120 x 175 ft., rein.-con., Seymour and Smith Sts. $1,000,000. Townley & Matheson, archts., 325 Homer St., will superintend construction. Noted Oct. 22.

Bids Desired

Mass., Boston — APARTMENT — The Embassey, Inc., c/o J. S. Draper, 209 Washington St., taking bids 11 story and basement, 150 x 150 ft., rein.-con., brick and steel, plain foundation, Beacon St. $1,250,000. R. H. Doane, 162 Newbury St., archt.

Mass., Boston—STORE, GARAGE and WAREHOUSE—See "Contracts Awarded."

Mass., Milton (br. Boston)—THEATRE—See "Contracts Awarded."

Mass., Springfield — HOTEL — See "Contracts Awarded."

Conn., Hartford—CLUB—W. F. Brooks, archt., Lewis and Gold Sts., taking bids 2 story club, Lewis St., for University Club. $175,000. Noted Dec. 24.

Conn., Hartford — APARTMENT — See "Contracts Awarded."

Conn., New Britain—BANK—May 11, by Commercial Trust Co., 274 Main St., 6 story and basement, 50 x 140 ft., brick and stone, West Main St. $400,000. A. Hopkins, 415 Lexington Ave., New York City, archt.

Conn., West Haven (br. New Haven)—THEATRE — State Amusement Co., 195 George St., New Haven, taking new bids 2 story, 130 x 150 ft., brick and steel, Center St. and Campbell Ave., here. $200,000. C. H. Abramowitz, 42 Church St., New Haven, archt. Former bids rejected. Noted Apr. 1.

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—DORMITORY—June 14, by J. J. McGrath, pres. Bellevue & Allied Hospitals, 26th St. and East River, 7 story, brick, steel and stone, plain foundation, 26th St. and 1st Ave. $2,500,000. McKim, Mead & White, 101 Park Ave., engrs. and archts.

Pa., Granville — CHILDRENS HOME — May 7, by Knights of Malta, and W. G. Eckles Co., archts., New Castle, 2 and 3 story, irregular shaped, brick, steel and hollow tile home. $250,000.

Pa., McKee Rocks—BANK—First Natl. Bank, and Simons, Brittain & English, archts., Magee Bldg., Pittsburgh, taking bids and open same about Apr. 28, 2 story and basement, 48 x 95 ft. bank. $150,000. Noted Apr. 8.

Pa., Oakmont — APARTMENT and STORE—See "Contracts Awarded."

Pa., Phila.—WAREHOUSE—May 4, by R. Benckert, Bellevue Court Bldg., 8 story and basement, 90 x 99 ft., rein.-con., brick and steel, 10th and Locust Sts., for Horn & Hardart, 210 South 10th St. $500,000. Noted Mar. 18.

Pa., Pittsburgh—HOSPITAL—St. Johns Hospital Assn., North Side and R. Martier, archt., Empire Bldg., taking bids 4 story and basement, 68 x 116 ft., brick and steel addition, Flemming Ave. $150,000.

Mich., Royal Oak (Ind. br. Detroit)—EXCHANGE—May 3, by Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., Detroit, 2 story and basement, 100x1[illegible] ft., rein.-con., brick and steel, plain found[illegible] here. for Michigan Bell Telephone Co., 1365 Cass St., Detroit, $150,000.

Ill., Chicago — APARTMENT — [illegible] Ohrenstein & Hild, archts., 222 East [illegible] tario St., taking bids 8 story, 62½ x [illegible] ft., rein.-con. and brick, 3941 Pine [illegible] Ave. $300,000. Owner's name withheld.

Ill., Chicago — HOTEL — W. R[illegible] archt., 35 South Dearborn St., taking bids 17 story and basement, 50 x 150 ft., [illegible] con., brick and terra cotta, South [illegible] Shore Dr. between 55th and 56th Sts. for Flamingo Hotel Corp., c/o architect $2,000,000. Noted Mar. 11.

Wis., Kenosha—CLUBHOUSE—Ma[illegible] by Kenosha Aerie Lodge 1055 F. O. [illegible] J. M. Herrman, secy., 2 story and basement 100 x 102 ft., brick and concrete addition, plain foundation, here. $150,000. Lind & Schutte, 82 Wisconsin St., Milwaukee archts. Noted Mar. 25.

Wis., Winnebago—HOSPITAL—State Bd Control, A. W. Bagley, secy., State Capitol, Madison, taking bids 2 rein.-con., brick and steel buildings, plain foundations $150,000. A. Peabody, State Capitol, Madison, archt. Noted Mar. 11.

Mo., Farmington — COURT HOUSE — May 14, by M. W. Crowder, clk., St Francois Co., 3 story and basement, 96 x 96 ft., rein.-con., brick and stone court house $250,000. Howard & Finley, International Life Bldg., St. Louis, archts. Noted Mar. 4.

Mo., Frederick—THEATRE—May 8, by J. J. Zink, archt., 2726 Overland Ave., Baltimore, 1 story and balcony, 61 x 280 ft., rein.-con. and brick, plain foundation, here for Stanley-Crandall Co., 934 F St., Wash., D. C. $225,000.

Ia., Council Bluffs—HOSPITAL—May 5, by Mercy Hospital, 4 story and basement, 47 x 91 ft., and 32 x 41 ft., rein.-con., brick and stone addition. $150,000. J. W. Wheeler, 508 Exch. Bldg., St. Paul, Minn. Noted Nov. 26.

Tex., Amarillo—OFFICE—May 3, by W. C. Headrick, archts., 1005 1st Natl. Bank Bldg., Ft. Worth, 10 story and basement, 60 x 140 ft. brick, stone and rein.-con., 6th and Pake Sts., here, for M. D. O. Eakle. $500,000. Noted Apr. 15.

Calif., Berkeley—STORE and LODGE—J. W. Plachek, archt., Mercantile Bank Bldg., taking bids 3 story and basement, steel and rein.-con., Bancroft Way and Fulton St., for I. O. O. F. Hall Assn., c/o architect. $160,000.

Calif., Brawley—HOTEL—Noernberg & Johnson, archts., Railway Bldg., Los Angeles, taking bids 4 story, concrete and steel hotel, here, for Sears & Patterson, c/o architects. $150,000. Noted Apr. 8.

Calif., Long Beach — TEMPLE — Wright & Gentry, archts., Marine Bank Bldg., taking bids structural steel, for rein.-con. and steel temple, Locust Ave., for Masonic Temple Building Assn. To exceed $500,000.

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Calif., Los Angeles—LOFT—M. Marston, archt., Douglas Bldg., taking bids 5 story, 50 x 145 ft., rein.-con., East Washington St., for T. N. Fiece, c/o architect.

Calif., Los Angeles—SALES AND GARAGE—T. B. Keim, Jr., archt., Hass Bldg., taking bids 4 story, rein.-con., 12th and Figueroa Sts., for A. P. Mithcell, et al, 505 South Irving Blvd. Noted Mar. 25.

Calif., Tracy—HOTEL—P. V. Tuttle & H. C. Slocum, archts., 337 17th St., Oakland, taking bids 2 story, rein.-con. hotel, here, for Tracy Community Hotel Co. $150,000.

Calif., San Francisco — APARTMENT — See "Contracts Awarded."

Calif., San Quentin — CELL BLOCK HOUSE—See "Contracts Awarded."

Man., Winnipeg—HOSPITAL—Apr. 30, by F. R. Evans, superv. archt., 902 Confederation Life Bldg., 3 story, basement and sub-basement, 46 x 150 ft., and 46 x 205 ft., rein.-con., brick and stone, Sherbrooke and Wolseley Sts., for Sisters of Misericorde, Sherbrooke St. and Wolseley Ave. $180,000. Noted Mar. 25.

Bids Received

Ind., Indianapolis — OFFICE — Modern Woodmen of America, J. D. Volz, chn., 309 Bd. Trade Bldg., general contract 2 story and basement, 75 x 180 ft., brick and steel, from J. R. Curry Constr. Co., 202 Empire Life Bldg. Archts. est. $150,000.

Ind., Washington — THEATRE — M. Switlow & Sons, 651 South 4th St., Louisville, Ky., general contract 2 story and basement, 60 x 115 ft., brick and steel motion picture theatre, 4th and Main Sts., from J. Kretz Constr. Co., Washington. Archts. est. $150,000. Noted Apr. 8.

Buildings—Commercial (Continued)

Contracts Awarded

Mass., Boston — OFFICE — Boston Consolidated Gas Co., 149 Tremont St., Boston, 13 story and basement, 80 x 100 ft., brick and limestone, Arlington and Stuart Sts., to W. A. & H. A. Root, Park Sq. Bldg. Archts. est. to exceed $150,000. Noted Oct. 1.

Mass., Boston—THEATRE—I. Sonnabend, 213 Hanover St., 1 story and basement, 100x125 ft., brick, stone and steel, Hanover St., to M. and D. Constr. Co., 44 School St., Archts. est. $150,000. Noted Oct. 8.

Mass., Milton (br. Boston)—THEATRE—M. Greenspan, 333 Washington St., Boston, will build 2 story and basement, 75x180 ft., brick and steel, plain foundation, Adams St. and Granite Ave., here. Work will be done by separate contracts. $150,000. Blackall, Clapp & Whittemore, 31 West St., Boston, archts.

Mass., Boston—STORE, GARAGE and WAREHOUSE — Lesser & Devine, 29 Creston St., Roxbury, will build 1 story, 100,000 sq.ft. floor space, rein.-con., brick and steel, plain foundation, Elmwood St., Roxbury Crossing, here. Work will be done by separate contracts. $400,000. Miller & Levi, 46 Cornhill, Boston, archts.

Mass., Springfield — HOTEL — Hotel Bridgeway, 50 Bway., will build 4 story, 71 x 122 ft., brick and steel addition, Bway. Work will be done by separate contracts. $150,000. Huestis & Huestis, 145 Chestnut St., archts. Noted Mar. 25.

Mass., Wollaston (Ind. br. Boston)—THEATRE—Wollaston Palace Theatre Co., c/o M. Allen, Quincy, 3 story, 80x215 ft., brick and steel, to M. & D. Constr. Co., 44 School St., Boston, archts., here. $160,000. Noted Jan. 28.

Conn., Hartford—APARTMENT—Lapuck Bros., 89 Sharon St., will build 4 story, 100 x 115 ft., brick, steel and stone, Charter Oak Pl. $250,000. Work will be done by separate contracts. Berenson & Moses, 30 Allyn St., archts. Noted Feb. 18.

Conn., Hartford — APARTMENT — H. Resnick, 34 Vine St., will build 4 story, brick and steel, by day labor. $150,000. Private plans. Noted Feb. 25.

Conn., Meriden—BANK—Bankers Trust Co., 18 Asylum St., Hartford, 2 story, 70 x 94 ft., brick, Farmington Ave., to Industrial Constr. Co., 721 Main St., Hartford, $150,000.

N. Y., Brooklyn—WAREHOUSES—Bush Terminal Co., Broad St., New York City, two 8 story, rein.-con., brick and steel, plain foundations, 39th St. to Turner Constr. Co., 244 Madison Ave., New York City. Archts. est. $750,000 each.

N. Y., Massapequa—ADMINISTRATION, etc.—Deauville Estates, Inc., J. Frankel, vice-pres., 570 7th Ave., New York City, general contract administration building, Yacht club, hotel and several hundred houses, etc., here, to T. C. Desmond & Co., Inc., 247 Park Ave., New York City. Archts. est. $4,500,000.

N. Y., New York—APARTMENT—M. D. J. Realty Co., c/o J. P. Boyland, engr. and archt., 120 East Fordham Rd., will build brick, steel and stone, plain foundation, Grand Concourse and 204th St., by day labor. $175,000.

N. Y., New York — APARTMENT — Neiwan Realty Co., c/o J. M. Felson, engr. and archt., 250 West 57th St., will build 5 story, brick, steel and stone, plain foundation, Williamsbridge Rd., by day labor. $325,000.

N. Y., New York — OFFICE — Lower Bway. Properties, 36 West 44th St., 35 story, brick, steel and stone, Bway. and New St., to C. L. Fraser, 50 East 42nd St. Archts. est. $2,500,000.

N. Y., New York—OFFICE and STORE—Burroughs-Welcome Co., M. Welcome, pres., 9 East 41st St., 6 story, brick, steel and stone, plain foundation, East 41st St., to Fountain & Choate, 110 East 23rd St. Archts. est. $200,000.

Pa., Allentown — GARAGE — Central Motoramp Garage Co., 4 story and basement, 83 x 140 ft., rein.-con. and brick, plain foundation, 28-34 North 5th St., to Hughes Foulkrod Co., Commonwealth Trust Bldg., Phila. Archts. est. $175,000. Noted Apr. 8.

Pa., Bryn Mawr — HALL — Bryn Mawr College, 1 and 2 story and basement, 20 x 51 ft., and 65 x 107 ft., rein.-con., brick and stone, Goodhart Hall, plain foundation, to R. C. Ballinger Co., 925 Walnut St. Archts. est. $400,000.

Pa., Oakmont — APARTMENT and STORE — S. Schifter, Ardmore, will build 3 story and basement, 95 x 190 ft., brick and steel, plain foundation, Merwood Park. $300,000. Work to be done by separate contracts. S. Kaplan, 10 South 18th St., archt.

Pa., Upper Darby (br. Phila.) — HOSPITAL — Delaware Co. Hospital Building Comn., Ashby and Copley Rds., Stonehurst, general contract, 3 story and basement, 48 x 110 ft., rein.-con. and brick, plain foundation, Lansdowne Ave. and Garrett Rd., to David Lutz & Co., 231 Chestnut St., $115,850; and electrical work, to W. V. Pangborne, 1927 West Montgomery St., $63,502. Noted Apr. 1.

Ala., Mobile — WAREHOUSE—Alabama State Docks Comn., State Office Bldg., steel contract 200 x 400 ft. warehouse, to Decatur Cornice & Roofing Co., Albany, $106,298; foundation, floors and walls, to W. H. Williams Co., 816 Howard Ave., New Orleans, La., $253,000. Noted Apr. 15.

O., Canton — GARAGE and STORE — R. E. Hay Motor Car Co., 134 McKinley Ave., 1 story and basement, 114 x 149 ft., brick, Hazlette Tuscarawas St. W., to E. H. Walker, Zinninger Bldg., $150,000.

O., Cleveland—COMMERCIAL—Brooklyn Masonic Temple Bldg. Co., G. Orr, mgr. Rose Bldg., chn. building com., 3 story and basement, 81x221 ft., brick, West 25th St., to J. Grant & Son, 4500 Euclid Ave. Archts. est. $200,000.

Mich., Detroit — CLUBHOUSE — Detroit Boat Club, 714 Union Trust Bldg., 2 story, rein.-con. and brick addition plain foundation, incl. swimming pool, Belle Isle, to J. W. Butler Constr. Co., 919 Free Press Bldg. Archts. est. $150,000.

Ill., Chicago—APARTMENT—Rissman & Hirschfield, archts., 64 West Randolph St., general contract 16 story, 107 x 174 ft., 402-18 Aldine Ave. and Sheridan Rd., to McLennan Constr. Co., 307 North Michigan Ave., for Edith Rockefeller McCormick, c/o Krenn & Dato, 936 North Michigan Ave. Archts. est. $950,000. Noted Apr. 1.

Ill., Chicago—HOSPITALS—H. A. Zender, supt. Pub. Serv. Cook Co., County Bldg., general contract additions to hospitals, to Great Lakes Constr. Co., 306 South Wabash Ave., $1,917,800, steam fitting, to Kinzie Eng. Co., 216 West Kinzie St., $161,370, electrical work, to U. S. Electric Co., 303 West Van Buren St., $76,600. Grand total $2,155,770. Noted Mar. 11.

Ill., Chicago — STORE — Carson, Pirie Scott & Co., Adams and Franklin Sts., altering and constructing 8 story, 40 x 140 ft. addition, 102-138 South Market St., to J. P. and J. W. O'Conner Co., 15 North La Salle St. $1,000,000.

Ill., Joliet — THEATRE, STORE and APARTMENT—J. J. Redding & Co. (owner and general contractor), 10 North Clark St., Chicago, will build Rialto Square Theatre, here. $750,000.

Nev., Reno—OFFICE and STORE—H. H. Sheeline, 5 story, rein.-con. office and store building, to Hilton & Leatherman, Reno, $150,000.

Calif., Los Angeles—APARTMENT—E. Cerciat, 752 North Lafayette Park Pl., will build 4 story, 75 x 125 ft., brick, San Marino St., by day labor. $150,000.

Calif., Los Angeles — STORE and OFFICE — Sun Realty Investment Co., 742 South Hill St., 12 story, 137 x 250 ft., steel and rein.-con., 7th and Flower Sts., to J. V. McNeil Co., 5860 South Park Ave., $4,000,000.

Calif., San Francisco — APARTMENT — E. V. Lacey, Hearst Bldg., will build 12 story and basement, rein.-con., O'Farrell St., near Leavenworth St., by day labor. $175,000. H. W. Bott, 708 Hearst Bldg., archt.

Calif., San Quentin — CELL BLOCK HOUSE — State Building Comn., Sacramento, will build cell block house, 5 tier high, rein.-con., each containing 90 cells, here, by day labor. $175,000. G. B. McDougall, Forum Bldg., Sacramento, state archt. Noted July 2.

Ont., Toronto—WAREHOUSE—Canadian Rail & Harbor Terminals, Ltd., 8 story, main storage warehouse 210 x 420 ft., cold storage warehouse 120 x 220 ft., rein.-con., resting on 10,000 piles driven 30 ft. to rock, also containing more than 1,000 ft. railroad track, and powerhouse, to Parklaps, Inc., 84 Pine St., New York City, and 512 Harbour Commissioners Bldg., about $5,000,000.

Alta., Banff Springs—HOTEL—Canadian Pacific Ry., 230 St. James St., Montreal, Que., general contract 4 story, rein.-con., to Carter Halls Aldinger Co. Ltd., Union Bank Bldg., Winnipeg, Man. Archts. est. $2,000,000.

Buildings—Industrial

Proposed Work

Me., Brunswick—CANNING FACTORY—A. B. Holmes, secy. Chamber of Commerce, plans canning factory. $40,000 or more. Engineer and architect not selected.

Mass., East Springfield — FACTORY — Westinghouse Electric Co., Page Blvd., plans 4 story, 40,000 ft. floor space, brick, steel and rein.-con. factory addition, new building for machinery and storing castings, remodeling dry kiln building, punch press shop and present office building, also 3 story, 54 x 300 ft., brick, steel and concrete administration building. $350,000-$400,000. A. B. Reynders, mgr.

Mass., Somerville (Boston P. O.) — REPAIR and GARAGE SHOP — Boston Elevated Ry. Co., Park Sq. Bldg., Boston, had plans prepared by A. J. Blackburn, Park Sq. Bldg., Boston, 2 story, 45 x 145 ft., rein.-con. brick and steel, plain foundation, here. $85,000.

Mass., Winchester—PLANT—Bay State Saw & Tool Co., Lake and Main Sts., plans rebuilding plant recently damaged by fire. $50,000. Engineer and architect not selected.

Conn., New Haven — FACTORY — J. I. Suisman, 1026 Main St., Hartford, having plans prepared by Storrs & Feinberg, 1127 Main St., Hartford, rein.-con., 51 Chapel St., here. Graybar Electric Co., (subsidiary of Westinghouse Electric & Mfg. Co., 150 Bway., New York City), lessee.

Conn., Stamford—PAINT PLANT—Baer Bros., 700-68 Canal St., had plans prepared by A. Freeman, 29 West 43rd St., New York City, 2 story, 125 x 132 ft., brick and steel addition. $75,000.

N. Y., Buffalo—FLOUR MILL—Hecker-Jones Jewell Milling Co., 503 Seneca St., plans flour mill Louisiana St. $500,000. A. E. Baxter Eng. Co., Ellicott Sq. Bldg., engrs.

N. Y., Buffalo — FEED and FLOUR MILL — Washburn Crosby Milling Co., Chamber of Commerce Bldg., Minneapolis, Minn., plans mill, Ganson St., here. $300,000.

N. Y., Long Island City — PLANT — J. Heinrichs Corp., 948 Bway., New York City, soon takes bids 3 story, rein.-con., brick and steel, plain foundation, here. $75,000. C. D. Howell, 11 East 45th St., New York City, engr. and archt.

N. Y., Matteawan (mail Glenham) — POWER HOUSE—State appropriated $750,000, purchasing site and constructing power house at Matteawan State Hospital for Criminal Insane, here.

N. Y., New York — REFRIGERATING PLANT—Brooklyn Bridge Freezing & Cold Storage Co., 24 Vanderwater St., plans rein.-con., brick and steel addition, plain foundation, Vanderwater St. $150,000. Engineer and architect not selected.

N. Y., Ray Brook—POWER PLANT—State plans to sell $200,000 bonds, power house, at New York State Hospital for Treatment of Incipient Pulmonary Tuberculosis, here.

N. Y., Rochester—FABRICATING SHOP—Holderle Bros., 339 Exchange St., having plans prepared by W. Lee, 134 Fulton Ave., 1 story, 47 x 95 ft., rein.-con., plain foundation, Exchange St. $40,000.

N. J., Jersey City—MACHINE SHOP—P. Kozans having plans prepared by G. A. Flagg, engr. and archt., 665 Newark Ave., 1 story, brick, steel and stone, plain foundation, 157 St. Pauls Ave. $50,000.

N. J., Newark—SERVICE and REPAIR GARAGE—Owner, c/o J. H. and W. C. Ely, engr. and archt., 784 Broad St., having plans prepared rein.-con., brick and steel, plain foundation, Central Ave. $85,000.

N. J., Pinewald (mail Bayville)—SOAP FACTORY—I. Rokeach & Sons, 345 Hewes St., Brooklyn, N. Y., soon take bids rein.-con., brick and steel, plain foundation, here. $150,000. H. J. Nurick, 44 Court St., Brooklyn, engr. and archt.

Pa., Meadville — MANUFACTURING — Hookless Fastener Co. having plans prepared by Wilbur, Watson & associates, 4614 Progress St., Cleveland, O., 3 story, 60 x 100 ft., brick and concrete addition. $150,000.

Md., St. Helena (Baltimore P. O.) — WIRE WELDING FACTORY—Reid Avery Co., 21st and Washington Sts., Phila., Pa., plans wire welding factory, Chesapeake and Cleveland Aves., here. $100,000.

La., Monroe — PAPER MILL — Brown Paper Mill Co., having preliminary plans prepared plant addition. $2,000,000. G. F. Hardy, 309 Bway., New York City, N. Y., engr.

Mich., Detroit—FACTORY—E. G. Budd Mfg. Co., 12141 Charlevoix Ave., had plans prepared by A. Kahn, 1000 Marquette Bldg., 1 story, 132 x 550 ft., rein.-con., brick and steel, plain foundation, along Detroit Terminal Ry. track and Charlevoix Ave.

Mich., Detroit—ENAMELING PLANT—C. Kotting, archt., 2306 Dime Bank Bldg., takes bids about May 3, 2 story, 85 x 100 ft., rein.-con., brick and steel, plain foundation, Jefferson Ave., for Detroit Stove Wks., East Jefferson Ave.

Buildings—Industrial (Continued)

Mich., Detroit—FACTORY—T. F. Leeson, 80 Cottage Grove Ave., Highland Park, plans 1 story and part basement, 100 x 200 ft., rein.-con., brick and steel, plain foundation. Meyers Rd. $50,000. Private plans.

Mich., Saginaw — FACTORY — Lufkin Rule Co., having plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., Detroit, 2 story and part basement, rein.-con., brick and steel, plain foundation.

Ill., De Kalb — FACTORY — Creamery Package Mfg. Co., 67 West Kenzie St., Chicago, having preliminary plans prepared 1 story, rein.-con. and brick factory addition, here. $100,000. Private plans.

Ill., East St. Louis — OIL STORAGE WAREHOUSE — Roxana Petroleum Corp., Shell Bldg., 13th St. and Locust Blvd., St. Louis, Mo., having preliminary plans prepared 1 story, oil storage warehouse, rein.-con. and steel. $50,000. Private plans.

Ill., Rockford — FACTORY and WAREHOUSE — J. W. Miller Incubator Co., 2500 Latham St., plans 2 story and basement, 150 x 250 ft., rein.-con., brick and steel, Latham St. Engineer and architect not selected.

Wis., Bloomer—PLANT—See "Contracts Awarded."

Wis., Gays Mills—PLANT—See "Contracts Awarded."

Wis., Madison — SERVICE STATION — International Harvester Co., 606 South Michigan Blvd., Chicago, Ill., had plans prepared by W. D. Price, c/o owner, 1 story, 120 x 130 ft., rein.-con., brick and steel, plain foundation. $70,000.

Wis., Muscoda—PLANT—See "Contracts Awarded."

Wis., Sheboygan—FACTORY—Northfield Co., 25th St. and Martin Ave., having plans prepared by E. A. Juul, Security Natl. Bank Bldg., 4 story and basement, 42 x 108 ft., brick and timber addition, plain foundation, $60,000.

Wis., Soldiers Grove—PLANT—Interstate Power Co., H. O. Ortin, mgr., Dubuque, Ia., plans rein.-con. and steel, plain foundation. Engineer and architect not selected. $75,000.

Minn., Litchfield—CREAMERY—Minnesota Co-operative Creameries, Inc., 2201 Kennedy St., Minneapolis, plans 2 story and basement, rein.-con. and brick creamery. $65,000. Engineer and architect not selected.

Mo., Kansas City — BAKERY — Golden Rule Bakery Co., 4319 Independence Ave., plans 3 story and basement, rein.-con. bakery. $300,000. Engineer and architect not selected.

Mo., Versailles — SHOE FACTORY — Tweedie Shoe Co., Jefferson City, soon lets contract 1 story and basement, 50 x 234 ft., brick and concrete shoe factory, here. $60,000. L. Abt, Moberly, archt. Noted Mar. 25.

Tex., Houston — FOUNDRY — Oklahoma Steel Castings Co., c/o E. H. Cornelious, pres., Tulsa., Okla., purchased site and plans 1 story, 30,000 sq. ft. floor space, steel foundry. $50,000. Private plans.

Tex., Olmito (mail Brownsville)—LIGHT PLANT—See "Unclassified."

Tex., San Antonio—MATTRESS FACTORY—A. Grona Mattress Factory, 1032 East Commerce St., purchased 3 acre site and plans brick, stone and rein.-con., mattress factory, Garden St., (1st unit) will house machinery of old factory, and (2nd unit) for new machinery. $60,000. Private plans.

Tex., San Marcos — GARAGE — E. S. Sutton, having plans prepared by D. Donaldson, San Marcos, brick, tile and rein.-con. garage. $50,000.

Tex., Texarkana — TEXTILE MILL — M. E. Melton, having preliminary plans prepared fireproof textile mill. $1,000,000. Private plans.

Tex., Texarkana — FURNITURE FACTORY — M. E. Melton, having preliminary plans prepared rein.-con. and brick, plain foundation. $150,000. Private plans.

Tex., Texarkana — ICE and COLD STORAGE PLANT — J. N. Myers, c/o Hotel Grim, purchased site 25 ton ice plant and 100 ton cold storage plant, both rein.-con., brick and steel. $75,000. Private plans.

Tex., Texarkana—BRICK PLANT—G. P. Winham, c/o Standard Lumber Co., plans brick plant. $40,000. Private plans.

Okla., Farris—COTTON GIN—C. Goodiron plans 5 saw 60 stand capacity cotton gin, probably electrically driven. $40,000. Private plans.

Okla., Prentiss (mail Mayfield) — COTTON GIN — S. H. Yoakum plans 8 stand 80 saw capacity cotton gin, probably electrically driven. $40,000. Private plans.

Okla., Moravia (mail Ocina)—COTTON GIN—M. H. Pace plans cotton gin, probably 6 stand 80 saw capacity. $35,000. Private plans.

Calif., Los Angeles — AUTO REPAIR SHOPS — J. Kreutzer, c/o E. M. Frasier, archt., Insurance Exch. Bldg., had plans prepared 3 story, rein.-con., South Hope St. $60,000.

Calif., Puente—DAIRY PLANT—A. V. Hendorf had plans prepared by J. E. Kunst, Cotton Exch. Bldg., Los Angeles, dairy plant buildings, brick and concrete. To exceed $150,000.

Calif., Santa Monica — FACTORY — Douglas Co., 2435 Wilshire Blvd., plans factory for manufacture of airplanes, Clover Field. To exceed $40,000.

Ont., Clinton — PLANT — Huron Milk Products Ltd., W. Miles, mgr., plans new milk powder plant. $100,000 incl. equipment.

Ont., Goderich—PLANT—J. E. Baechler, plans new woodworking specialty plant. $100,000 incl. equipment.

Bids Desired

Mass., Cambridge (Boston P. O.) — BOILER HOUSE — Natl. Casket Co., 122 1st St., taking bids 1 story, brick addition. $40,000. R. D. Kimball Co., 6 Beacon St., Boston, engrs. and archts.

Mass., Mattapan (sta. Boston)—REPAIR and SERVICE GARAGE—See "Contracts Awarded."

Pa., Phila.—SUB-STATION—May 4, by Phila. Electric Co., 10th and Chestnut Sts., 1 story, balcony and basement, 50x99 ft., rein.-con. and brick, plain foundation, 52-54 North 6th St. J. T. Windrim, Commonwealth Bldg., archt.

Pa., Phila. — FACTORY — Apr. 30, by Shetler & Dysher, archts., Jefferson Bldg., 1 and 2 story, 60 x 275 ft., rein.-con., brick and steel factory and boiler room, plain foundation, 57th and Lancaster Sts., for J. N. Driver, Inc., 1644 North 55th St.

Pa., Phila. — FACTORY — May 3, by Stearns & Woodnut, archts., St. Girard Bldg., 4 story and basement, 50 x 131 ft., rein.-con. and brick, plain foundation, Worth and Kinsey Sts., for Glove Dye Wks. D. R. Greenwood, pres.

Pa., Pittsburgh — FREIGHT WAREHOUSE — Pennsylvania R.R. Co., A. C. Shand, ch. engr., Broad St. Sta., Phila., taking bids 1 and 2 story, 40 x 265 ft., brick and steel, 11th and Pike Sts., here. $150,000.

Pa., Sharon—BOILER HOUSE, etc.—See "Contracts Awarded."

Wis., Madison — SERVICE STATION — May 6, by International Harvester Co., 606 South Michigan Blvd., Chicago, Ill., 1 story, 120 x 130 ft., brick and concrete, plain foundation. $70,000. W. D. Price, c/o owner, archt.

Wis., Milwaukee—BAKERY—Apr. 27, by W. E. Long Co., engrs. and archts., 155 North Clark St., Chicago, Ill., 3 story and basement, 128 x 152 ft., rein.-con. and brick, plain foundation, Clybourn St., here, for Natl. Biscuit Co., 85 9th Ave., New York City, N. Y. $100,000.

Wis., Racine—FOUNDRY—C. S. Anderson, mgr. Belle City Malleable Iron Co., Kewaunee St., taking bids (2nd unit) 1 story, 116x202 ft., brick and steel, plain foundation. A. A. Wickland Co., 5 South Wabash St., Chicago, Ill., engrs.

Neb., Hastings — MANUFACTURING — F. A. Roth Mfg. Co., 1600 South Kilbourn St., taking bids 2 story, 100 x 200 ft., brick and terra cotta factory. $100,000. K. H. Gedney, Hastings, archt. Noted Mar. 4.

Mo., St. Louis—SUB-STATIONS—May 4, by Bd. Pub. Serv., 208 City Hall Substations B, C and D, 1 story, rein.-con. and brick $46,000. W. W. Horner, 300 City Hall, engr.

Ark., Malvern—PLANING MILL—See "Contracts Awarded."

Tex., Ft. Worth — PRINTING PLANT, etc.—Bunker Printing & Book Co., c/o A. Goodhart, Worth Bldg., taking bids 1 and 2 story, brick, stone, rein.-con. and steel printing plant and office building. $175,000. Austin Co., 16112 Euclid Ave., Cleveland, O., engrs.

Calif., Ryde — SUB-STATION — See "Contracts Awarded."

Contracts Awarded

Mass., Everett (Boston P. O.)—PLANT—Mystic Iron Wks., 1 Federal St., Boston, 3 story, brick addition, here, to D. E. McIntire, Inc., 74 Broad St., Boston. Archts. est. $40,000.

Mass., Jamaica Plain (Boston P. O.) — FACTORY — Clifton Mfg. Co., Brookside Ave., 1 story, brick, Brookside Ave., to W. T. Reed Co., 201 Devonshire St., Boston. Archts. est. $50,000.

Mass., Mattapan (sta. Boston)—REPAIR and SERVICE GARAGE—H. B. Barrown, 32 Abbott St., Dorchester, will build 2 story, rein.-con. and steel, plain foundation, Wellington Hill and Greendale Sts. Work will be done by separate contracts. $50,000. S. S. Levy, 35 Court St., Boston, archt.

Conn., Bridgeport — FACTORY — Brock Co., 38 Austin St., 1 and 2 story, 100 x 120 ft., and 2 story wing brick and steel, Austin and Warren Sts., to Hewlett Co., 884 Main St. Archts. est. $65,000. Noted Apr. 1.

N. J., Camden—FACTORY—MacAndrews & Forbes Co., 3rd and Jefferson Sts., 3 story and basement, 56 x 360 ft. factory, 3rd and Jefferson Sts., to Barclay-White Co., 1242 Sansom St., Phila., Pa. Archts. est. $[illegible] 000.

N. J., Plainfield—ICE PLANT—Plainfield Ice & Supply Co., 222 Madison Ave., general contract 1 story, rein.-con., brick and steel, plain foundation, to Wigton-Abbott Corp., 552 West 23rd St., New York City. Archts. est. $75,000.

N. J., Pleasantville—KNITTING MILL—Starr Knitting Mill Co., 2 story 50 x 50 ft. mill, to W. H. Joslin, Pleasantville, $75,000.

Pa., Pittsburgh—WAREHOUSE—Pennsylvania R.R. Co., A. C. Shand, ch. engr., Broad St. Station, Phila., general contract remodeling warehouse, here, to T. J. Foley Co., Fulton Bldg. Engrs. est. $150,000.

Pa., Pittsburgh—MANUFACTURING—Steel City Electric Co., 1207 Columbus Ave., general contract 2 story and basement, 50 x 60 ft., brick and concrete, Columbus Ave., to W. F. Trimble & Sons Co., 1719 Penna Ave. Archts. est. $40,000.

Pa., Sharon — BOILER HOUSE, etc.—Sharon Steel Co. will build gas and boiler house, also electrify 8 and 10 mills, and remodel unit 14, by day labor. Private plans. G. S. Warren, c/o owner, engr.

Tenn., Nashville—PRINTING PLANT—Branden-Craig-Dickerson Printing Co., 309 5th Ave. N., general contract 2 story, 100 x 175 ft., concrete brick and steel, 10th Ave., to E. G. Holladay Constr. Co., 151 4th Ave. N., $80,000.

O., Troy — FACTORY — Troy Sunshade Co., 2 story, 56 x 121 ft., and 3 story, 48 x 65 ft., rein.-con. and brick addition, Walnut St., to H. R. Blagg Co., 1229 East 3rd St., Dayton, $65,000.

Ill., Chicago—DAIRY—S. Wanzer & Sons, 21 East 30th St., general contract 2 story and basement, 225 x 292 ft. dairy plant, to W. Mavor Co., 7 South Dearborn St. Archts. est. $400,000.

Wis., Bloomer—PLANT—Bloomer Dairy Products Co., W. R. Freund, mgr., will build 1 story, 60 x 90 ft., rein.-con., brick and steel, plain foundation, by day labor. $40,000. Kampfer & Buetow, 1380 Blair St., St. Paul, archts.

Wis., Gays Mills—PLANT—Interstate Power Co., c/o H. C. Ortin, mgr., Dubuque, Ia., will build 1 story, 75 x 90 ft., rein.-con., brick and steel, plain foundation, by day labor. $60,000. Private plans. Noted Apr. 8.

Wis., Milwaukee—SAUSAGE FACTORY—C. T. Gross, 3020 State St., 2 story and basement, 90 x 100 x 112 ft., brick and concrete, Poplar St., to W. W. Oeflein, 86 Michigan Ave. Archts. est. $65,000. Noted Mar. 25.

Wis., Milwaukee — FACTORY — Stolper Steel Products Co. (formerly A. B. and B. Sheet Metal Wks.), 3300 Fond du Lac Ave., 2 story, 36 x 130 ft., brick addition, plain foundation, to H. Danischefsky, 1484 Humboldt Ave. Noted Mar. 25.

Wis., Muscoda — PLANT — Muscoda Cheese & Creamery Co. will build 2 story, 60 x 70 ft., rein.-con., brick and steel warehouse and cold storage plant, plain foundation, by day labor. $40,000. Private plans.

Wis., Waukesha — FOUNDRY — Quality Aluminum Casting Co., Lincoln Ave., general contract 1 story, 40 x 120 ft. addition, to P. F. Gierke, 816 Lincoln Ave.; steel, to Lakeside Bridge & Steel Co., North Milwaukee. Archts. est. $40,000.

Minn., St. Paul — POWER PLANT — Brown & Biglow, Quality Park, general contract 1 story and basement, 48 x 74 ft., and 54 x 74 ft., rein.-con. and brick, Midway Dist. of Quality Park, to W. Murphy & Son, 346 Endicott Bldg. Archts. total est. approximately $300,000.

Mo., Flat River—POWER PLANT—St. Louis Smelting & Refining Wks., 44 x 90 ft., rein.-con. and brick power plant, 59 ft. high, with 250 ft. rein.-con. stack, etc., to J. V. Boland Constr. Co., Chemical Bldg., St. Louis. Archts. est. $185,000.

Mo., St. Louis — WHEEL FACTORY — Southern Wheel Co., Commonwealth Bldg., Pittsburgh, Pa., 1 story, 230 x 420 ft., rein.-con., Goodfellow St. and Terminal Belt R.R. tracks, here, to Cornet-Casey Constr. Co., Chemical Bldg. Archts. est. $250,000.

Ark., Malvern—PLANING MILL—Wisconsin & Arkansas Lumber Co., A. B. Cook, genl. mgr., will build 1 story, 120x166 ft., with 20x40 ft. and 30x80 ft. additions, concrete foundations, by day labor. $100,000.

Tex., Houston—DAIRY—Phenox Dairy Co., c/o M. C. Oldham, mgr., 1502 Heiner St., general contract 2 story, 106 x 120 ft.,

Buildings—Industrial (Continued)

brick and tile, Pake and Smith Sts., to J. B. Townsend, 542 West Bldg., $163,395.

Okla., Chickasha — ICE PLANT — O. L. Bingham, 1 story ice plant addition, to brick and stone, to A. J. Puckett, Chickasha. Archts. est. $45,000.

Wash., Port Angeles—PAPER PLANT—Washington Pulp & Paper Corp., (2nd unit) pulp and paper plant, to C. Kuppler & Son, Port Angeles, about $1,000,000.

Calif., Berkeley — FACTORY — Pacific Paint & Varnish Co., Wells Fargo Bldg., San Francisco, 2 story, paint factory, rein.-con., to Gutleben Bros., 614 Mills Bldg., San Francisco, $45,000.

Calif., Pittsburg — POWER PLANT — Pioneer Rubber Mills, brick power plant, to A. Johnson, Call Bldg., San Francisco, $41,200.

Calif., Ryde — SUB-STATION — Great Western Power Co., 530 Bush St., San Francisco, will build rein.-con. sub-station, here, by day labor. $200,000.

Buildings—Educational, Religious

Proposed Work

Me., Augusta—SCHOOL—Bd. Educ., having sketches made by Bunker-Savage, 256 Water St., 2 story and basement addition, Coney and Stone Sts., $175,000 appropriated.

Mass., Boston—ADMINISTRATION—Congregation of Adath Isreal Temple, H. Levi, rabbi, having preliminary sketches made by McLaughlin & Burr, 88 Tremont St., 3 story and basement, brick and limestone, Riverway and Longwood Aves., Plymouth and Brenner Sts. $150,000 or more.

Mass., Everett (Boston P. O.)—HIGH SCHOOL—City, L. D. Chisholm, mayor, plans 2 story and basement, brick and stone, Summer St. $150,000. Engineer and architect not selected.

Mass., Framingham — CHURCH—Grace Congregational Church, T. Lathrop, Pastor, c/o R. H. Wamboldt, archt., 6 Beacon St., Boston, having preliminary sketches made 1 story and basement, brick and stone, Union Ave. $150,000. Noted Mar. 4.

Mass., Granby — SCHOOL — Franciscan Fathers, soon let contract 3 story and basement, 55 x 205 ft., brick, limestone and granite school. $225,000. T. F. Dunn, 37 West 57th St., New York City, engr. and archt.

Mass., Hingham — HIGH SCHOOL — Town, T. B. Hingham, chn., having plans prepared by Derby & Robinson, 3 Joy St., Boston, brick and steel high school, Central St. $230,000. Noted Apr. 22.

Mass., Whitman — HIGH SCHOOL — Town, Bd. Selectmen, Town Hall voted to borrow $300,000. new high school.

N. Y., Albany—COLLEGE—State appropriated $850,000, constructing buildings at State College for Teachers.

N. Y., Bayport—SCHOOL—Bd. Educ. takes bids about May 3, brick, steel and stone, plain foundation, $250,000. W. Potter, 22 East 17th St., New York City, engr. and archt., Noted Apr. 15.

N. Y., New York — CHURCH and RECTORY — Church of Heavenly Rest, 3 East 45th St., having plans prepared by Bertram G. Goodhue, engr. and archt., 2 West 47th St., brick, steel and stone, plain foundation, 5th Ave. and 90th St. $2,000,000.

N. J., Franklin—HIGH SCHOOL—Mayor and City Council plan 12 room addition to high school. $150,000. Gilbert & Betelle, Commerce Bldg., Newark, archts.

N. J., Ridgefield—HIGH SCHOOL—Bd. Educ. having plans prepared by E. Sibley, engr. and archt., Bluff Rd., Palisade, brick, steel and stone addition, plain foundation, Bergen Ave. $300,000.

Pa., Greensburg — CHURCH — Zion Lutheran Church 2nd and Vanmas Ave., having plans prepared by J. C. Fulton & Son, Uniontown, 1 and 2 story, irregular shaped church, here. $225,000.

Pa., Williamsport—SCHOOL—St. Boniface Catholic Church, having plans prepared 3 story and basement, 52 x 150 ft., addition to St. Marys Academy, Washington St. $150,000. Engineer and architect not announced.

Pa., Windber — CHURCH — St. Marks Greek Catholic Church, S. Polansky, pastor, takes bids about May 20, 2 story and basement, 54 x 102 ft., brick, Somerset Ave. $150,000. W. R. Myton, 1204 1st Natl. Bank Bldg., Johnstown, archt.

Miss., Natchez — HIGH SCHOOL — City plans new high school. $200,000. A. Whittington, mayor.

O., Cleveland — MUSEUM — Cleveland Museum of Art, F. A. Whiting, dir., East Blvd. and Wade Park, plans art museum for children, incl. outdoor stage, amphitheatre, etc., Wade Park. $500,000. Engineer and architect not selected.

O., Cleveland—SCHOOL—Bd. Educ., F. G. Hogen, dir., plans altering brick school, East 71st St. and Hough Ave. G. M. Hopkinson, Auditorium Garage Bldg., archt.

Mich., Iron River — HIGH SCHOOL — Voted $300,000 bonds, 3 story and basement, rein.-con. and brick plain foundation, for Bd. Educ. Van Leyen, Schilling & Keough, 3440 Cass Ave., Detroit, archts.

Ill., Urbana—CHURCH—First Methodist Episcopal Congregation, c/o G. Losh, Pastor, having preliminary plans prepared by R. Maxwell, 611 West Illinois St., 2 story and basement, concrete, brick and stone, Race and Green Sts. $175,000.

Ia., Iowa City—FIELD HOUSE—State University of Iowa having revised plans prepared brick, steel and stone field house. Former bids rejected. $400,000. Proudfoot, Rawson & Sours, 810 Hubbell Bldg., Des Moines, archts. Noted Apr. 2.

Ark., Little Rock — Y. M. C. A., J. B. Withee, secy., 5th and Scott Sts., having preliminary plans prepared rein.-con., brick and stone, 6th St. and Bway. $500,000. Engineer and architect not selected.

Mo., St. Louis—SCHOOLS—Bd. Educ. making plans constructing 18 room school to replace Scullin portable school $150,000, Kennard School $200,000, and Canterbury School $260,000; reconstructing Central High School $150,000, 18 room and kindergarten school on Shaw Tract $350,000, and West Belle portable $350,000; additions to Mullanphy School $300,000, 1,300 pupil school at St. Louis St. and Kingshighway $1,000,000, auditorium and shops to Blow School $300,000, 12 room addition to Buder School $180,000, Scruggs School $200,000, 6 room addition to Roe School $100,000, 12 room unit of 24 room school district bounded by Clara, Natural Bridge, Union and North Market Sts. $200,000, Lindenwood Dist. $200,000, and 8 room addition and auditorium Harris Teachers College $140,000. R. M. Milligan, 911 Locust St., comr. buildings.

Mo., St. Louis — SCHOOL — Preparatory Diocesan Seminary, 4244 Washington Blvd., making preliminary plans rein.-con., brick and stone preparatory school. $1,000,000.

Tex., Eastland — HIGH SCHOOL — Bd. Educ., J. H. Caton, pres., having plans prepared by D. S. Castle Co., 701-4 Alexander Bldg., Abilene, 2 story and basement, 80 x 120 ft. rein.-con., brick and stone, plain foundation. $150,000 bonds voted.

Tex., Mercedes—HIGH SCHOOL—Election soon $150,000 bonds, 2 story, rein.-con. and brick, plain foundation, high school, for Bd. Educ. Engineer and architect selected soon.

Tex., Texarkana—HIGH SCHOOL—Election soon $150,000 bonds, 2 or 3 story, rein.-con., brick and stone high school. Witt, Seibert & Halsey, 807 Texarkana Natl. Bank Bldg., archts.

Ore., Portland—SYNAGOGUE—H. Brookman, archt., Henry Bldg., soon lets contract 90 x 150 ft., rein.-con. and steel, plain foundation, 19th, Flanders and Gilson Sts. $300,000. Owner's name withheld.

Calif., Santa Cruz — SCHOOLS — Santa Cruz School Dist. plans election $350,000 bonds, replacing 3 old school buildings.

Man., Winnipeg—CHURCH—All Saints Congregation, R. G. Baird, chn. building com., 200 Wentworth St., take bids about May 1, rein.-con., brick and stone, Bway. and Colony Sts. $160,000. G. Northwood, 615 Union Bank Bldg., archt.

Bids Desired

Mass., Boston—SCHOOL—Cathedral of Holy Cross, W. B. Finigan, pastor, taking bids 3 story and basement, 120 x 150 ft., brick and stone, Malden St. $200,000. E. T. P. Graham, 171 Newbury St., archt.

Mass., Milton (br. Boston) — CHURCH and SUNDAY SCHOOL — Parkway Methodist Episcopal Church, T. Hancock, pastor, Blue Hill Parkway, taking bids 1 story and basement, 40 x 85 ft. and 35 x 60 ft., rein.-con. and stone, plain foundation. $150,000. Wodbury & Stuart, 581 Boylston St., Boston, archts.

Mass., Roxbury (Boston P. O.) — TEMPLE and CHAPEL — Rabbinical College, Inc., J. M. Jacobson, rabbi, 35 Intervale St., taking bids 2 story and basement, 95 x 120 ft., brick, terra cotta and steel, Warren and Brunswick Sts. $150,000. J. A. Tuck, Park Sq. Bldg., archts. Clifford & Rosenblatt, 101 Tremont St., Boston, engrs.

Mass., West Newton (Ind. br. Boston)—HIGH SCHOOL—May 12, by City of Newton, Dept. Pub. Buildings, City Hall, West Newton, Junior High School, 2 story and basement, rein.-con., brick and stone, plain foundation, Washington St., here. $500,000. Ripley & Le Boutillier, 45 Bromfield St., Boston, archts.

Mass., Worcester—SCHOOL—City, Dept. Pub. Buildings, City Hall, taking bids 2 story and basement, brick and stone, Granite St. $226,000. E. P. Fitzgerald, 340 Main St., archt. Noted Feb. 4.

Conn., Bridgeport—SCHOOL—May 1, by Bd. Educ., 2 story and basement, brick and steel addition, Boston Ave. and Huntington Rd. $175,000. E. G. Southey, 983 Broad St., archt. Noted Feb. 11.

N. Y., Brooklyn—SCHOOLS—May 6, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., constructing P. S. 203, Avenue M from East 51st to East 52nd Sts.; and P. S. 208, Avenue D from East 48th to East 49th Sts., for Bd. Educ., 500 Park Ave., New York City.

N. Y., Montrose—HIGH SCHOOL—May 3, by Bd. Educ., brick, steel and stone, plain foundation. $325,000. Knappe & Morris, 171 Madison Ave., New York City, engrs. and archts. Noted Apr. 8.

Md., Baltimore—SCHOOL—May 12, by Mayor and City Council, City Hall, 2 story and basement, irregular shaped, brick and steel, plain foundation, Patterson Pk. and McElderry St. Van Rensselaer Saxe, Knickerbocker Bldg., engr. Archer & Allen, Central Savings Bank Bldg., archts.

N. J., Hillside (mail Elizabeth)—SCHOOL—May 11, by Bd. Educ. Hillside Twp., Central Grammar and High School, Coe Ave., for P. S. 7, Gurd Ave. C. Godfrey Poggi, 275 Morris Ave., Elizabeth, archt.; adv. E. N.-R. Apr. 29.

N. J., West New York (Ind. br. Weehawken) — HIGH SCHOOL — May 6, by Bd. Educ., Municipal Bldg., G. D. Kilventon, secy., Memorial High School, Park Ave., Bway., 11th and 12th Sts. $700,000. W. Mayer, Jr., 711 Bergenline Ave., archt.

N. C., Louisburg—COLLEGE—May 6, by Bd. Trustees Louisburg College, for Franklin Co. Building, 3 story and basement, brick, incl. science, class room, library and dormitory. $300,000. Noted July 9.

O., Dayton—SCHOOL—May 17, by Bd. Educ., E. S. Schmidt, clk., Cooper School, 2 story and basement and rein.-con., plain foundation, Lowes St. $175,000.

Ind., Gary—HIGH SCHOOL—May 11, by Bd. Educ., 3 story, rein.-con., brick and stone high school. $500,000. W. B. Ittner, 911 Locust St., St. Louis, Mo., archt.

Mich., Lansing—CHEMISTRY—Michigan State College, taking bids 3 story and basement, rein.-con., brick and steel, plain foundation, campus. $250,000. Malcolmson & Higginbotham, 1217 Griswold St., Detroit, archts.

Wis., Black River Falls—SCHOOL—Bd. Educ., A. P. Jones, clk., taking new bids 2 story, 63 x 113 ft., rein.-con., brick and steel school. $150,000. E. Tough, Washington Bldg., Madison, archt. Noted Feb. 25.

Wis., Madison—CHURCH—St. Bernards Catholic Congregation, c/o W. Eggers, pastor, 735 Atwood Ave., and Small & Flad, archts., Ellsworth Bldg., taking bids 1 story, 71 x 154 ft., rein.-con., brick, steel and sandstone, Atwood Ave. $150,000.

Wis., Sparta—SCHOOL, etc.—May 10, by State Bd. Control, A. W. Bagley, secy., Madison, 2 story, 60 x 150 ft., rein.-con., brick and steel school and cottages, here. A. Peabody, State Capitol, Madison, archt. Noted Mar. 11.

Tex., Wichita Falls—CHURCH—May 10, by J. W. Johnson, pastor First Methodist Congregation, 2 story and basement, brick, stone and rein.-con., 10th and Lamar Sts. $40,000. W. W. Watkins, 212 Scanland Bldg., W. C. Hedrick, 1005 First Natl. Bank Bldg., Ft. Worth, and C. J. Pate, 1005 City Natl. Bank Bldg., associated archts.

Calif., Los Angeles — CHURCH — E. G. Martin, archt., Citizens Natl. Bank Bldg., taking bids brick and steel, 3rd St., for Roman Catholic Archbishop of Los Angeles. $150,000.

Calif., Van Nuys—HIGH SCHOOL—May 5, by Los Angeles Bd. Educ., 2 story, 75 x 225 ft. domestic science building, 1 story, 72 x 223 ft. manual arts building, and 1 story, 30 x 40 ft. boiler house, here. $160,000. Noted Feb. 18.

Calif., Whittier — SCHOOL — May 6, by Trustees Whittier School Dist., Bailey School, 2 story, rein.-con. $175,000. Austin & Ashley, Chamber of Commerce Bldg., Los Angeles, archts. Noted Mar. 25.

Ont., Windsor—SCHOOL—May 13, by T. Noble, secy. Bd. Educ., 24 room school, Tecumseh Rd. $140,000. Noted Jan. 14.

Bids Received

N. Y., Pelham (Ind. br. New York)—SCHOOL—Bd. Educ., Apr. 22, general contract, altering and constructing 2 story, 50x100 ft., brick, steel and stone addition to Hutchinson School, plain foundation, from W. A. Berbusse, Jr., Puritan Dr., Port Chester, $188,000; heating, from Johnston Heating Co., 131 East 26th St., New York City, $41,175. Noted Apr. 8.

Buildings—Educational, Religious (Cont.)

N. Y. Richmond Hill (ind. br. Jamaica) —SCHOOL—W. H. Gompert, engr. and archt., Flatbush Ave. extension and Concord St., Brooklyn, general contract P. S. 124, Stanley and Blackstone Aves., here, for Bd. Educ., 500 Park Ave., New York City, from Hayson Constr. Co., 44 Court St., Brooklyn, $337,000; heating, from Almirall & Co., 1 Dominick St., New York City, $42,633. Noted Apr. 8.

N. J., Newark—SCHOOL—Bd. Educ., Apr. 21, general contract, altering and constructing brick, steel and stone addition, plain foundation, Maple Ave., from Fatzler Co., 676 South 16th St., $122,900. Noted Dec. 17.

Pa., Wynnewood—SCHOOL—School Bd. Lower Merion Twp., Apr. 19, general contract 2 story and basement, 42 x 188 ft., and 91 x 174 ft. school, Argle Rd., from G. H. Evans, 105 North 13th St. $318,846; heating and ventilating from Amer. Heating & Ventilating Co., Schaff Bldg., $31,895. Noted Apr. 15.

Ind., Evansville—HIGH SCHOOLS—Bd. School Trustees, Apr. 5, Francis Reitz High School, masonry work, from C. Kanzler & Son, 500 Furn Bldg., $106,862; also Bosse High School and stadium, from Scarborough-Davies Co., Old St. Bldg., $110,882. Noted Mar. 25.

Contracts Awarded

Mass., Cohasset — SCHOOL — Town, Schoolhouse Comn., 1 story and basement, 125x140 ft., brick and stone, plain foundation, Summer and Main Sts., to R. H. Bean, Inc., 14 Central Ave., Lynn. Archts. est. $150,000. Noted Apr. 22.

Mass., Jamaica Plain (Boston P. O.) — SCHOOL — St. Thomas Roman Catholic Church, E. J. Moriaty, pastor, 2 story and basement, 40 x 150 ft., brick, stone and steel, to J. W. Griffin Co., 15 Exchange St., Boston. Archts. est. $150,000.

Mass., New Bedford — CHAPEL and SCHOOL—Our Lady of Perpetual Help, c/o Leary & Walker, archts., 1st Natl. Bank Bldg., 1 and 2 story and basement, brick and stone, Acushnet Ave., to Carey Quarry & Constr. Co., 56 North Main St., Fall River. Archts. est. to exceed $150,000.

Mass., Worcester — CHURCH — St. Josephs Roman Catholic Church, 34 Wall St., 1 story and basement, 75 x 190 ft., brick and stone, plain foundation, Hamilton St., to J. J. Roberts, 4 Wall St. Archts. est. to exceed $150,000. Noted Dec. 24.

R. I., Providence—SCHOOL—City, com. Pub. Buildings, City Hall, general contract 2 and 3 story and basement, 85 x 90 ft. and 90 x 170 ft., brick and stone, plain foundation, America St., to Greaney & Sherry, 827 Davol St., Fall River, Mass., $413,000; heating and ventilating, to Files Eng. Co., 75 Westminster St., $46,922. Noted Apr. 22.

N. Y., Astoria (sta Long Island City)—CHURCH—Trinity Lutheran Church of Astoria, 346-9th Ave., F. H. Lindeman, pastor, brick, steel and stone, plain foundation, to Moore & Patience, 103 Park Ave., New York City. Noted Apr. 8.

N. Y., Hollis (mail Jamaica)—SCHOOL—W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, general contract P. S. 118, Wildey Ave., here, for Bd. Educ., 500 Park Ave., New York City, to G. F. Driscoll Co. 548 Union Ave., Brooklyn, $289,387; heating, to H. Starkman & Bros., 333 East 81st St., New York City, $35,160. Noted Apr. 15.

N. Y., Mariners Harbor (Ind. Sta. Staten Island)—SCHOOL—W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, general contract P. S. 44, Maple Parkway, here, for Bd. Educ., 500 Park Ave., New York City, to Carleton Co., Inc., 151 West 42nd St., New York City, $624,333; plumbing, to J. Kahn, 244 West 20th St., New York City, $27,390; and heating, to D. J. Rice, Inc., 606 1st Ave., New York City, $68,817. Grand total $720,540. Noted Apr. 15.

Pa., Berwick—CHURCH—First Presbyterian Congregation, general contract 1 and 2 story and basement, irregular shaped church, to Berwick Lumber & Supply Co., Berwick, $178,500.

Miss., Laurel — SCHOOL — Bd. Educ., R. H. Watkins, supt., 2 story, 154 x 265 ft., concrete and brick school, to A. Blair, 11 South Lawrence St., Montgomery, Ala. Noted Feb. 18.

Ill., Urbana — PHARMACY — University of Illinois, general contract 4 story and basement, 85 x 112 ft., 715 South Wood St., to C. A. Moss, Constr. Co., 133 West Washington St., Chicago. Archts. est. $400,000. Noted Sept. 10.

Wis., Waukesha — HIGH SCHOOL — Bd. Educ., E. R. Estberg, pres., general contract (1st unit) Junior High School, 2 story and basement, brick and concrete, plain foundation, to Pehrson Bros., 555 Temple Court, Minneapolis, Minn., $114,888. Noted Apr. 1.

Ia., Decorah — GYMNASIUM — Luther College, general contract 2 story and basement, 100 x 120 ft., rein.-con., steel and stone, to A. R. Coffeen, Decorah, $134,132.

Calif., San Francisco—CHURCH—Roman Catholic Archbishop, 1100 Franklin St., steel and rein.-con., Masonic Ave. near Page St., to Vogt & Davidson, 185 Stevenson St., approximately $154,500. Noted Jan. 21.

Federal Government Work

Proposed Work

Ill., Great Lakes (br. Waukegan)—Hospital—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., takes bids about May 1, 1 and 2 story, rein.-con. and tile, here. $600,000.

Bids Desired

R. I., Newport—Tile Lining—Spec. 5213—May 12, by Bureau Yards & Docks, Navy Dept., Wash., D. C., tile lining swimming pool, at Naval Training Station, here.

Conn., New London—Refrigerating Plant—Spec. 5199—May 12, by Bureau Yards & Docks, Navy Dept., Wash., D. C., automatic refrigerating plant, with 2 ton motor-driven ammonia refrigerating machine, etc. L. E. Gregory, ch. bureau.

Md., Annapolis—Mains, etc.—Spec. 5203 and 5175—May 12, by Bureau Yards & Docks, Navy Dept., Wash., D. C., underground and subaqueous water mains, and improving coal handling plant, at Naval Academy, here. L. E. Gregory, ch. bureau.

Fla., Miami—Remodeling—May 14, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, court house and custom house, here. J. A. Wetmore, acting supervising archt.; adv. E. N.-R. Apr. 29.

Miss., Vicksburg — Levee — May 12, at office Third Mississippi River Dist., P. O. Box 404, for 6,747,000 cu.yd. levee work in quantities varying from 20,000 to 1,250,000 cu.yd.; adv. E. N.-R. Apr. 29.

Indiana — Dredging — May 13, by U. S. Engineer Office, 537 South Dearborn St., Chicago, Ill., dredging in Indiana Harbor Canal, here; adv. E. N.-R. Apr. 29.

Mich., Camp Custer (br. Battle Creek)—Curbs, etc.—May 18, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., L. H. Tripp, ch. constr. div., curbs and gutters at U. S. Veterans Hospital 100, here.

Ill., Great Lakes (mail Waukegan)—Apartment—Spec. 5158—May 12, by Bureau Yards & Docks, Navy Dept., Wash., D. C., brick, steel and stone apartment for officers quarters, at Naval Training Station, here. L. E. Gregory, ch. bureau. Noted Apr. 22.

Arizona—Road—May 11, by C. H. Sweetser, dist. engr. Bureau Pub. Rds., Washington St., Phoenix, grading, crushed rock surfacing, etc., 5,600 cu.yd. Clifton-Springerville (Greenlee Co. Sect.), Natl. Forest Rd. Project, in Apache Natl. Forest, Greenlee Co.

Oregon—Needle Valves—May 25, by Bureau Reclamation, Denver, Col., two 48 in. balanced needle valves for McKay Dam, Umatilla Project, here. P. W. Dent, acting comr.; adv. E. N.-R. Apr. 29.

Alaska—Roads—May 11, by Bureau Pub. Rds., M. D. Williams, acting dist. engr., Juneau, improving 3.1 mi. Tongrass Highway, Saxman-Mountain Point Sect. Natl. Forest Rd. Project, 0.62 mi. Glacier Highway, Mendenhall Loop Extension, Natl. Forest Rd. Project 3.12 mi. Salmon River, Cemetery-Fish Creek Sect. Natl. Forest Rd. Project, all foregoing in Tongrass Natl. Forest; also 8.37 mi. Moose Pass, Hope-Sunrise Sect. Natl Forest Rd. Project, in Chugach Natl. Forest.

Bids Received

Mass., Rutland Heights—Refrigeration and Ice Making Machinery—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Apr. 20, refrigeration and ice making plant at U. S. Veterans Hospital 89, here, from Hines Mfg. Co., 418 St. Charles St., Baltimore, $18,300. Noted Mar. 25.

N. Y., Newark—Addition—Treas. Dept. at office Supervising Archt., Wash., D. C., Apr. 20, 1 story extension at U. S. Post Office, here, from King Lumber Co., Charlottesville, Va., $11,989. Noted Apr. 1.

D. C., Wash.—Remodeling—Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling U. S. Courthouse, here, from W. L. Morrison Constr. Co., Metropolitan Bank Bldg., $19,300. Noted Apr. 8.

D. C., Wash. — Granite — Executive Officer Arlington Memorial Bridge Comn., Apr. 22, granite for Arlington Memorial Bridge across Potomac River, from Stone Mountain Granite Co., Stone Mountain, Ga., Contr. 1, $207,000-$240,000, and Contr. 2 part (a) $820,000-$952,000, part (b) $[illegible]-500-$157,500, and part (c) $311,800-$[illegible]-300. Noted Mar. 25.

D. C., Wash.—U. S. Veterans Bureau, Arlington Bldg., Apr. 21, general contract mess and kitchen building, 3 ward buildings, etc. from G. E. Wyne, 292 C. Vert St. N. W. **(1a)** $817,700 **(1b)** $252,9[illegible] **(1c)** $146,800 **(1d)** $147,000 **(1e)** $170,00[illegible] **(1f)** $70,000 **(1g)** $10,000 and **(1h)** $21,000; plumbing, from W. G. Cornell Co., 19 Patterson St. N. E. **(2a)** $45,608 **(2b)** $10,[illegible]71 **(2c)** $10,832 **(2d)** $10,832 **(2e)** $100,832 **(2f)** $2,821; electrical work, from H. E. Cross Co., 28 Light St., Baltimore, Md., **(4a)** $28,840 **(4b)** $8,883 **(4c)** $5,010 **(4d)** $5,167 **(4e)** $5,834, **(4f)** $4,102; also constructing Red Cross building, from J. C. Curtis, Denbigh, Va., **(1)** $182,500 and moving buildings, from Skinker & Garrett, 1416 F St. N. W. **(1a)** $45,000. Noted Mar. 25.

Ill., Macomb—Extension—Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story U. S. Post Office extension, here, from D. Bright, Clinton, Ind., $3,900. Noted Apr. 1.

Okla., Oklahoma City—Extension—Treas. Dept. at office Supervising Archt., Wash., D. C., extension to U. S. Post Office, here, from A. M. Lundberg, 208 North Bway., St. Louis, Mo., $13,779.

California—Road—C. H. Sweetser, dist. engr. Bureau Pub. Rds., 9 Main St., San Francisco, Apr. 15, grading, etc., 4.9 mi. and 4.8 mi. Tahoe City-Truckee Highway, in Tahoe Natl. Forest, Placer Co., from Isbell Constr. Co., Fresno, $58,326 and $62,372 respectively.

C. Z., Panama — Masts — Spec. 5191 — Bureau Yards & Docks, Navy Dept., Wash., D. C., Apr. 23, guyed masts at Cape Mala, here, from J. E. Lingo & Son, Delaware Ave. and Elm St., Camden, N. J., $3,775. Noted Apr. 15.

Contracts Awarded

Conn., Hartford — Dredging — U. S. Engineers Office, Providence, R. I., dredging in Connecticut River, below here, to Hartford & New York Transfer Co., 285 State St., $15,009. Noted Mar. 4.

N. Y., Syracuse—Mezzanine, etc.—Treas. Dept. at office Supervising Archt., Wash., D. C., mezzanine floor, etc. for U. S. Post Office, here, to W. L. Morrison Constr. Co., Metropolitan Bank Bldg., Wash., D. C., $10,300. Noted Apr. 22.

Pa., Phila.—Steel Fence, etc.—Spec. 5212—Bureau Yards & Docks, Navy Dept., Wash., D. C., wrought steel fence and gates, to F. Pettit Ornamental Iron Wks., 1505 North Mascher St., $8,526.

Pa., Phila.—Paving—Spec. 5207—Bureau Yards & Docks, Navy Dept., Wash., D. C., concrete paving at U. S. Navy Yard, here, to Curtis Bros., State Rd. and Unruh St., Tacony, Phila., $26,820 (75 days). Noted Apr. 15.

Pa., Phila.—Gate Buildings—Spec. 5196—Bureau Yards & Docks, Navy Dept., Wash., D. C., Apr. 23, 2 gate buildings at Navy Yard, here, to S. S. Lewis, 1238 Real Estate Trust Bldg., $73,478 (105 days). Noted Apr. 8.

Ga., Fitzgerald—Mains in various streets, to Dysard Constr. Co., Austell Bldg., Atlanta, approximately $17,000.

Fla., Pensacola—Storage—Spec. 5187—Bureau Yards & Docks, Navy Dept., Wash., D. C., fuel oil and gasoline storage, at Naval Air Station, here, to Pittsburg, Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa., $52,720 (210 days). Noted Apr. 1.

Tenn., Memphis—Levee—Dist. Engineering Mississippi River Comn., 5,600,000 cu.yd. earthwork in Upper St. Francis, Lower St. Francis, Reelfoot and White River Dists., to R. T. Clark, Co., Inc., Natchez, Miss., $384,909. Noted Mar. 25.

Tex., Galveston—Dredging—U. S. Engineer Office, dredging Sabine-Neches Waterway, to F. H. Lovell & Co., Forest St., Arlington, N. J., $3,876. Noted Mar. 18.

Calif., Santa Barbara—Extension—Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story extension to U. S. Post Office, here, to J. A. Malloy, Santa Barbara, $9,475. Noted Apr. 22.

Unclassified

Proposed Work

Fill — Massachusetts — Boston & Maine R.R., F. C. Shepherd, asst. ch. engr., Boston, plans fill solid entire area Millers River Basin in Boston, Cambridge and Somerville. $25,000 or more. Private plans.

Platform — Cambridge (Boston P. O.), **Mass.** — Boston Elevated R.R. Co., 31 St. James Ave., plans steel and concrete raised platforms on both sides Massachusetts Ave. and Central Sq. $25,000. Private plans.

Underpass — Hartford, Conn. — City, Street Bd., R. H. French, plans underpass at junction Albany Ave., Main, High, Ann and Ely Sts., for safety of pedestrians. $25,000 or more. R. N. Clark, City Hall, engr.

Coaling Station—Buffalo, N. Y.—Delaware, Lackawanna & Western R.R., Hoboken, N. J., G. J. Ray, ch. engr., having plans prepared 1,000 ton concrete coaling station, 1,000 ton sand bin and 105 ft. steel turntable. $105,000.

Underpass—Atlanta, Ga.—See "Streets and Roads."

Pier—Ft. Myers, Fla.—Making plans 668 ft. pier out beyond present wall, seawall and buildings. $150,000. E. N. Stanley, Ft. Myers, engr.

Lighting System—Winter Park, Fla.—Voted $50,000 bonds, extending lighting system.

Grade Crossing Elimination — Nashville, Tenn.—State Dept. Highways & Pub. Wks., plans resurfacing concrete overhead crossing over Louisville & Nashville R.R. tracks, on Nashville-Gallatin Rd., 6 mi. north of here, Davidson Co. To exceed $25,000. C. N. Bass, highway engr.

Grain Elevator—Decatur, Ill.—A. E. Staley Mfg. Co. having plans prepared 2,000,000 bu. grain elevator of circular tank construction, 24 in. diam., 100 ft. high, also 175x200 ft. rein.-con. and steel work houses, concrete pile foundation, Decatur and Staley Sts. $1,000,000. Engineer and architect not selected.

Park Development—East St. Louis, Ill.—East St. Louis Park Dist., Cahokia Bldg., voted $500,000 bonds, developing Big Lake Park, incl. roads, drainage, landscaping, athletic field, golf course, etc. Noted Mar. 18.

Park and Playground—Madison, Wis.—City, W. Winckler, clk., plans purchasing site and constructing park and playground, Bedford and West Dayton Sts. $30,000. Engineer not selected.

Stadium—St. Louis, Mo.—Bd. Educ. making plans (1st unit), rein.-con. stadium, 15,000 seating capacity, and athletic field, Kingshighway and Natural Bridge Aves. $350,000. R. M. Milligan, 911 Locust St., comr. buildings.

Parks and Playgrounds — Webster (ind. br. St. Louis), **Mo.**—Election May 15, $225,000 bonds, purchasing, equipping and improving 5 parks and playgrounds. Noted Mar. 4.

Town Site, etc.—Olmito (mail Brownsville) **Tex.**—A. Parker, Brownsville making plans town side here, incl. bridge across the Resaca, paving streets on 1,000 acre tract, waterworks, light plants, 50 room tourist hotel, artificial lake swimming pool, etc. $600,000. W. H. Ampher, La Feria, engr.

Subway — Longview, Wash. — See "Bridges."

Under Crossing — Seattle, Wash. — See "Streets and Roads."

Plunge Building — Los Angeles, Calif. — W. G. English, 305 Chapman Bldg., had plans prepared by A. Hesse, 320 Union Oil Bldg., 2 story and basement, 135 x 213 ft., brick plunge building, incl. 4 pools, Gordon St. and Sunset Blvd. To exceed $20,000.

Freight Terminal — Oakland, Calif. — Drayage Serv. Corp., 4th and Castro Sts., plans 1 story, 126 x 481 ft., rein.-con. freight terminal, incl. administration building, garage, and loading platforms, 18th St. and Peralta Ave.

Swimming Pool—San Jose, Calif.—San Jose Rotary Club making plans 68 x 80 ft. rein.-con. pool, 2 to 5 ft. deep, pumping plant, dressing rooms, etc. $30,000. C. B. McKenzie, Bank of San Jose Bldg., archt.

Power Development, etc. — Ontario — Hydro-Electric Power Com. of Ontario, 305½ Bank St., Ottawa, plans developments, extensions, transformer stations, condenser stations, distribution systems, transmission lines, etc., for year ending Oct. 31, 1927, Niagara System $7,125,000, Georgian Bay System $415,000, St. Lawrence and Ottawa Systems $250,000, Rideau System $17,000, Thunder Bay System $5,055,000, Central Ontario System $490,000, and Nipissing System $140,000; miscellaneous expenditures in general service $600,000, and provincial $83,829.

Coal Handling Plant—Port Stanley, Ont.—Century Coal Co., 145th St. James St., Montreal, plans equipping coal handling plant, here. $75,000.

Docks — Port Stanley, Ont. — London & Port Stanley Ry., London, plans improving docks, here. $25,000.

Bids Desired

Shore Protection—Massachusetts—May 6, by Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, improving Highway-Hancock St., Quincy Shore Reservation, 6,000 ft. concrete shore protection, 22 tons crushed stone, 17,000 ft. granite curbing, 15,000 cu.yds. excav., 20,000 cu.yd. filling. To exceed $25,000. J. R. Rablin, c/o owner, engr.

Standpipe and Elevated Tank — Quincy (Ind. br. Boston) **Mass**—May 6, by Dept. Pub. Wks., 1 m.g. capacity rein.-con. standpipe at Penns Hill, 300,000 gal. capacity rein.-con. elevated tank at Squantum, and 400,000 gal. capacity tank at Houghs Neck $30,000 bonds. J. J. Cosgrove, comr.

Waterproofing Standpipe—Walpole, Mass.—May 28, at office A. F. Hart, town engr., waterproofing standpipe for Town; adv. E. N.-R. Apr. 29.

Fire Alarm System, etc.—Utica, N. Y.—May 19, by State Hospital Comn., Capitol, Albany, fire alarm system, exit facilities, fire stops, and replacing electric wiring at Utica State Hospital, here. S. W. Jones, state archt.; adv. E. N.-R. Apr. 29.

Bulkhead, etc. — Bayonne, N. J. — See "Streets and Roads."

Wharf—Mobile, Ala.—May 31, by Alabama State Docks Comn., State Office Bldg., concrete apron wharf for Pier 1. W. I. Sibert, chn.; adv. E.N.-R. Apr. 29.

Lighting System—Peoria, Ill.—May 3, by Bd. Local Impvts., City Hall, 2 mi. ornamental electrical lighting system on Knoxville Ave., incl. 91 ornamental metal posts complete, 15 ft. high, cable, coil lamps, etc. $30,000. W. E. Backes, City Hall, engr.

Boiler, etc.—Mason City, Ia.—May 3, by C. L. Pillsbury Co., consult. engrs., 2344 Nick Ave., Minneapolis, Minn., furnishing and setting one 250 hp. boiler, 250 hp. mechanical stoker, coal and ash handling equipment, also resetting two 150 hp. boilers and minor building alterations, here, for Bd. Educ.

Overhead Crossing — Washington — See "Streets and Roads."

Heating, etc.—London, Ont.—May 15, by J. M. Moore, archt., 489 Richmond St., heating, plumbing, and ventilating offices, for London Life Insurance Co., 424 Wellington St. $100,000.

Bids Received

Scale Pit, etc.—New York, N. Y.—Bd Transportation, J. H. Delaney, chn., 49 Lafayette St., Apr. 23, constructing scale pit and foundation for coal pockets in Lenox Ave. and 148th St. Yard, from Hart & Early, Inc., 18 East 41st St., $19,140. Noted Apr. 15.

Unloader—New Orleans, La.—Bd. Port Comrs., New Court House, Apr. 20, marine log unloader at Stuyvesant Docks from Folwell Ahlskog, 323 North Michigan Blvd., Chicago, Ill., $137,560; electric motors, from L. C. Reed, Hibernia Bldg., $3,302; 1,900 lin.ft. rubber belts, from Goodyear Tire & Rubber Co., 830 Howard Ave., $4,400. Noted Mar. 25.

Wharf—New Orleans, La.—Bd. Port Comrs., New Court House Bldg., reconstructing Manville St. Wharf, from O'Brein Constr. Co., Q & C Bldg.; approximately 985,000 lin.ft. creosoted timber, from Gulf States Creosote Co., Chalmette St. $73,378; and coal conveyor belts, from U. S. Rubber Co., 201 North Front St., $11,575. Noted Apr. 8 under "Materials."

Rolling Doors — San Francisco, Calif. — State Bd. Harbor Comrs., Ferry Bldg., Apr. 8, steel rolling doors for Pier 50, from Price Teltz Co., 523 Market St., $29,250. Noted Apr. 1.

Contracts Awarded

Gas Distributing System — Greenwich, Conn.—Greenwich Gas Co. retained Stone & Webster, Inc., 147 Milk St., Boston, to design and construct 8 mi. 6 in. high pressure transmission line, 8 reducing governor stations, 40 mi. high pressure distribution main and 2,000 gas service connections, each incl. meter and governor, also 2 story, 25 x 75 ft. service building. C. F. Green, constr. supt.

Park Improvements—Thomaston, Conn.—Town, R. H. French, comr., High St., improving Center Park, adding soil, new turf, sidewalks, constructing concrete band stand, etc., to C. H. Kinney Co., 39 Elmwood Ave., Waterbury. Engrs. est. $25,000. Noted Mar. 25.

Steel Car Floats—Phila., Pa.—Pennsylvania R.R. Co., O. C. Shand, ch. engr., Broad St. Sta., 4 steel car floats each 250 ft. long to have beam of 32 ft., 10 to 12 car capacity, and 2 lines railway tracks with loading platform running lengthwise between tracks, to William Cramp & Sons Ship & Engine Building Co., Richmond and Norris Sts.

Swimming Pool — Detroit, Mich. — See "Buildings—Commercial."

Grain Silo—Milwaukee, Wis.—Chicago, Milwaukee & St. Paul R.R. Co., Union Sta., Chicago, Ill., C. F. Lowther, ch. engr., grain silos and working house, rein.-con., plain foundation, 6th Ave., to Burrell Eng. & Constr. Co., 513 West Jackson Blvd., Chicago, Ill. Engrs. est. $500,000. Noted Apr. 15.

Grain Elevators—Superior, Wis.—C. T. Mears, pres. Itasca Elevator Co., 710 Bd. of Trade Bldg., Duluth, Minn., 15 grain bins each 95 ft. high, 24 ft. diam., concrete on pile and concrete foundations, here, to Barnett & Record Co., 418 Lyceum Bldg., Duluth, Minn., $380,000.

Culverts—Logan, Ia.—See "Bridges."

Ornamental Lighting System — Los Angeles, Calif. — Ornamental lighting system on Figueroa St. between Jefferson St. and Mt. Vernon Ave., etc., to A. C. Rice, 1957 Santee St., $33,436. Noted Mar. 25.

Lamp Standards—Vancouver, B. C.—For 500 ornamental single c.i. light standards to Wallace Fdry. Co., Granville Island. $23,860. Noted Feb. 4.

Street Lighting System—Vancouver, B. C.—City, street lighting throughout West End area, 80,000 lb. 1 and 1½ in. conduit for extensions, to Cope & Sons, Ltd., 150 Hastings St. W., $6,200; 60,000 ft. lead covered cable 6, 8 and 10, to F. Darling & Co. Ltd., 1144 Homer St., $12,110; and 10,000 lamps 250, 300 and 540 watts, to Canadian General Electric Co. and Laco Co., $905 each.

Materials

Proposed Work

Road Oil — Greenbush, Ill. — Greenbush Twp. plans furnishing and spreading 2 or 3 car loads road oil for township roads. C. Mitchell, highway comr.

Bids Desired

Road Oil—Hartford, Conn.—May 5, by Bd. Contr. & Supply at Mayor's Office, Municipal Bldg., road oil, f.o.b. tank cars, Hartford. C. DeLancey Alton, Jr., secy.; adv. E. N.-R. Apr. 29.

Gravel—Long Island City, N. Y.—May 4, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 5,000 cu.yd. ¾ in. quartz gravel.

Cement, Sand, etc.—Corinth, Miss.—See "Streets and Roads."

Timber, etc.—New Orleans, La.—See "Unclassified."

Drain Tile—Emmetsburg, Ia.—May 5, by Auditor Palo Alto Co., 40,900 ft. 6 in., and 2,450 ft. 8 in. drain tile, also 17 intakes.

Portland Cement—Fergus Falls, Minn.—May 3, by H. J. Collins, city clk., 1 carload more or less portland cement.

Pipe Culverts—Regina, Sask.—May 1, by H. S. Carpenter, deputy minister, 32,000 ft. 12 in., 13,000 ft. 18 in., 5,600 ft. 15 in., and 6,600 ft. 24 in. pipe culverts, for Dept. Highways.

Asphalt, etc.—Montreal, Que.—May 3, by City Executive Com., for asphalt, bituminous dust layer and stone dust.

Bids Received

Sewer Brick—Boston, Mass.—Bd. Pub. Wks., City Hall, 260,000 sewer bricks, from J. P. O'Connell Co., 11 Beacon St., Boston, $25.00 per M. Noted Apr. 1.

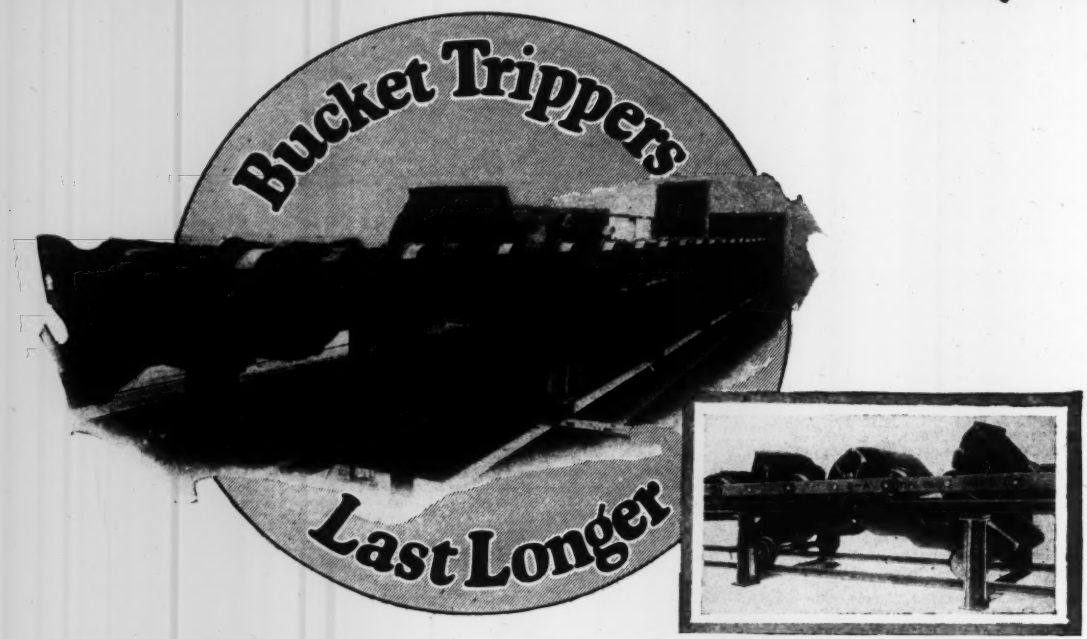
Contracts Awarded

Curbing and Headers—Hartford, Conn.—City, Bd. Contr. & Supply, granite curbing and headers, to J. Cronsell, 7 Mosart St., West Hardford, $5,644.

Cement, Expansion Joints, etc.—Greenville, Miss.—Washington Co., to M. L. Virden Lumber Co., Greenville, 14,000 bbl. portland cement, at $2.93 per bbl., and 9,500 ft. ¾ in. expansion joints at $16.55 per 100 ft.; to Clark Building Material Co., Jackson, 66,000 ft. ¾ in. plain round bars $2.54 per 100 lb., and 20,000 lin.ft. ¾ in. square deformed bars at $2.74 per 100 lb.

See proposal advertising on page 114, Advertising Section

FARRELL'S 85



Stephens-Adamson Uses FARRELL'S 85 Where The Wear Comes

CONTINUOUSLY, day in and day out, the buckets of this Stephens-Adamson bucket carrier travel over the tripper.

To withstand the constant wear, Stephens-Adamson builds the tripper side frames of FARRELL'S 85.

But wear resistance is only one of the many desirable qualities of FARRELL'S 85. In strength it exceeds nickel steel. There is no distortion or flowing under repeated blows (a weakness of some alloy steels). Nor does high wear resistance mean an undue sacrifice of ductility and resistance to shock.

Wherever a casting is subject to high strain or excessive wear, FARRELL'S 85 gives longer life at very little increase in cost.

Use FARRELL'S 85 for dipper teeth, bucket lips and everywhere replacements are now frequent.

The Farrell-Cheek Steel Foundry Company
Third Street, Sandusky, Ohio
Western Office: 19 S. La Salle St., Chicago, Ill.

FARRELL-CHEEK